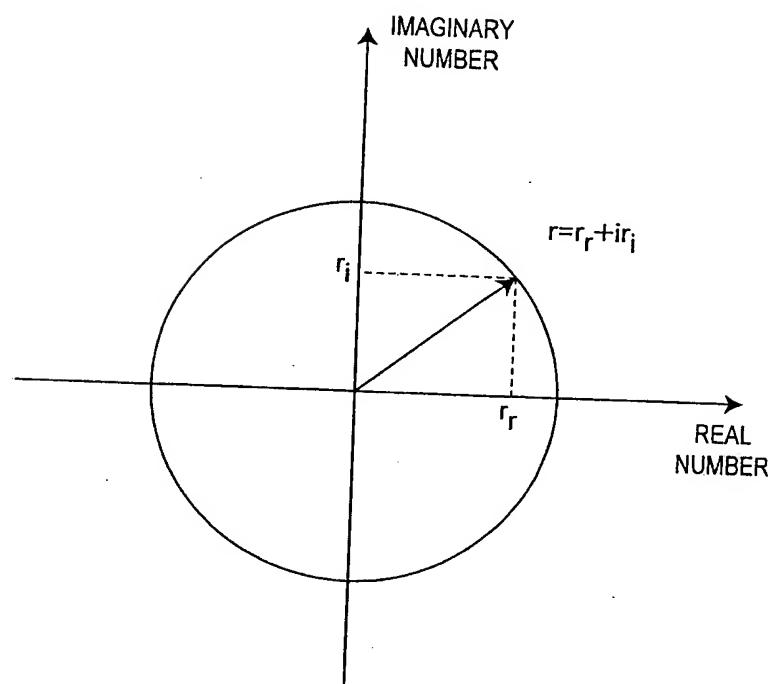


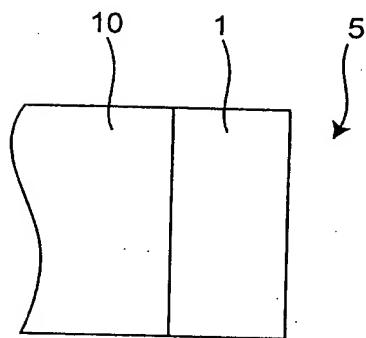
Title: SEMICONDUCTOR OPTICAL DEVICE  
Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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Fig. 1



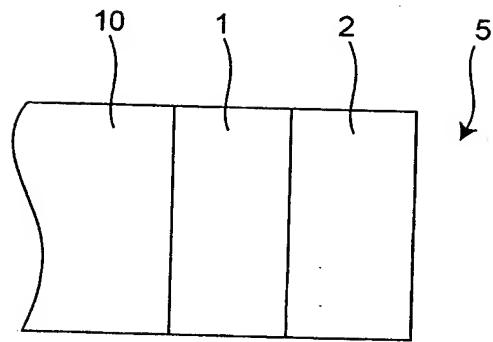
Title: SEMICONDUCTOR OPTICAL DEVICE  
Inventors: SHIGIHARA et al.  
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*Fig. 2*



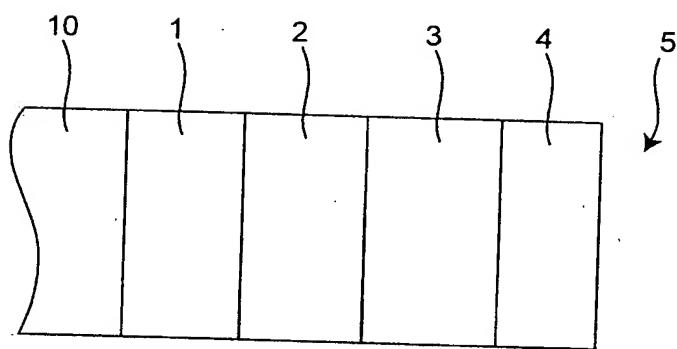
Title: SEMICONDUCTOR OPTICAL DEVICE  
Inventors: SHIGIHARA et al.  
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*Fig.3*



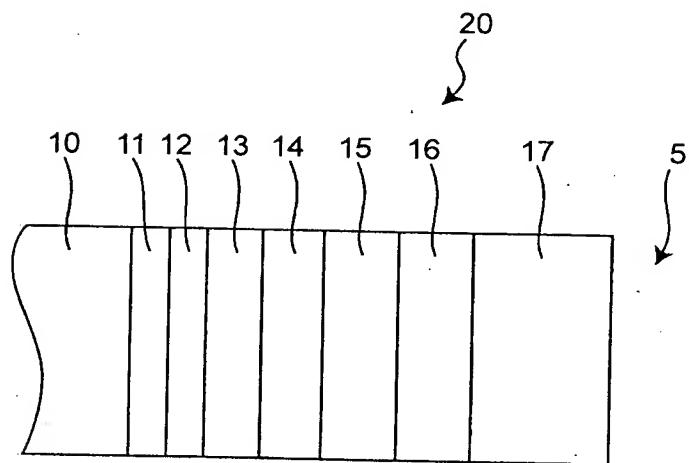
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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*Fig.4*



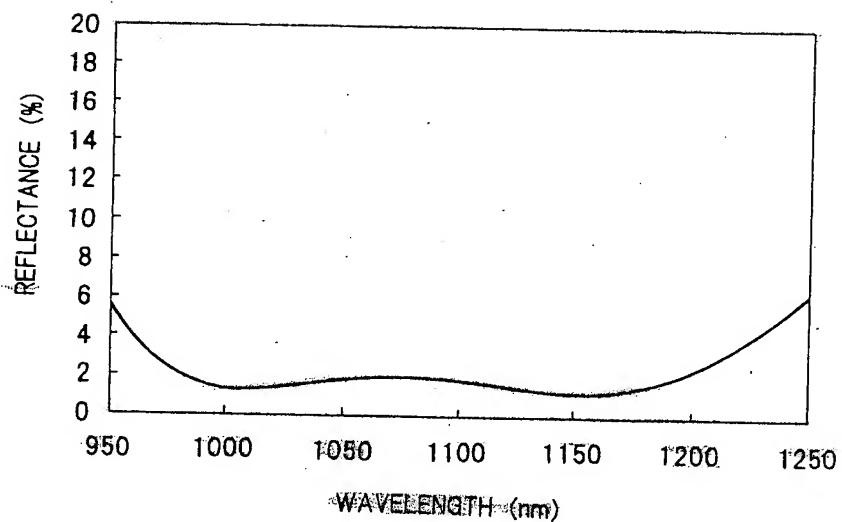
Title: SEMICONDUCTOR OPTICAL DEVICE  
Inventors: SHIGIHARA et al.  
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*Fig.5*



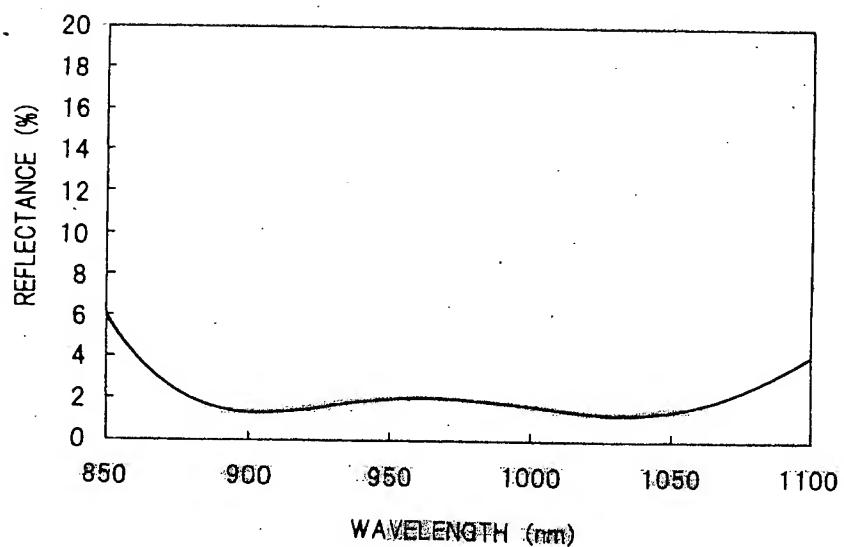
Title: SEMICONDUCTOR OPTICAL DEVICE  
Inventors: SHIGIHARA et al.  
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Fig.6



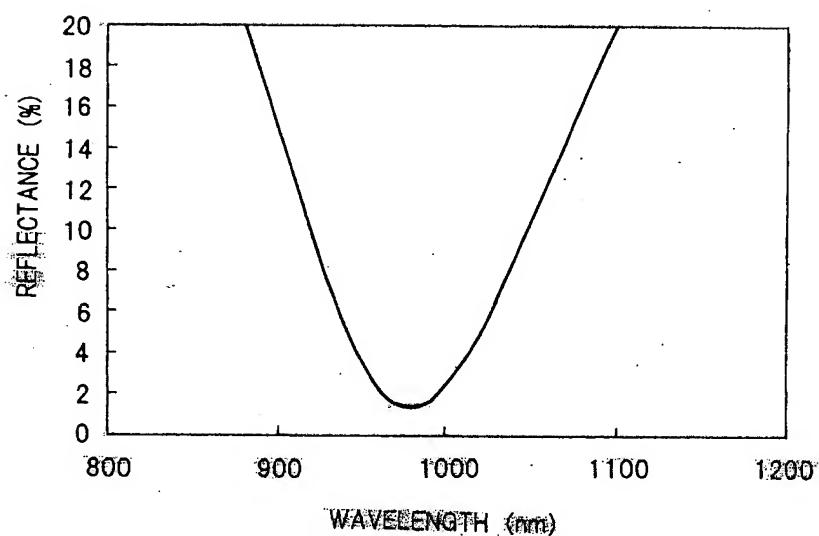
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Inventors: SHIGIHARA et al.  
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Fig. 7



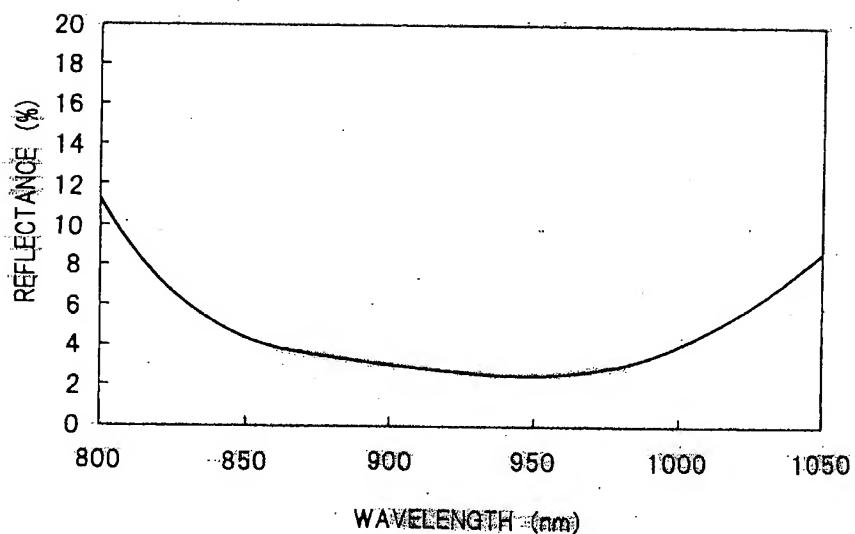
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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*Fig. 8*



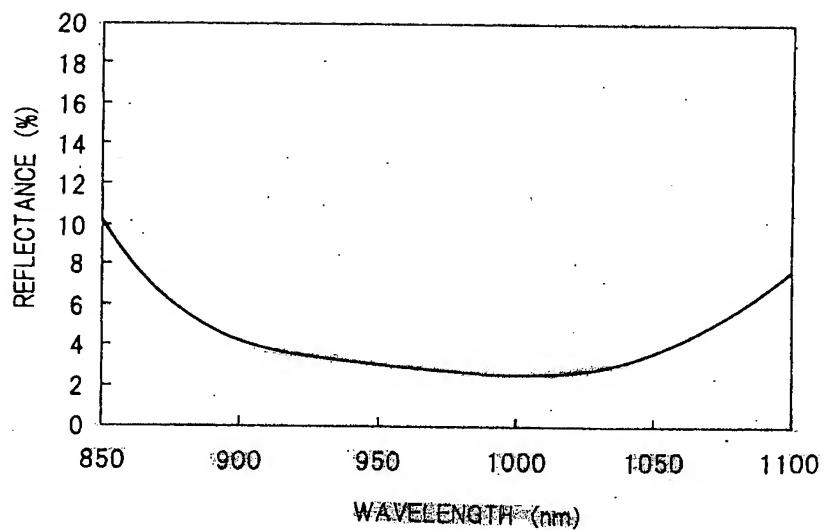
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Inventors: SHIGIHARA et al.  
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*Fig. 9*



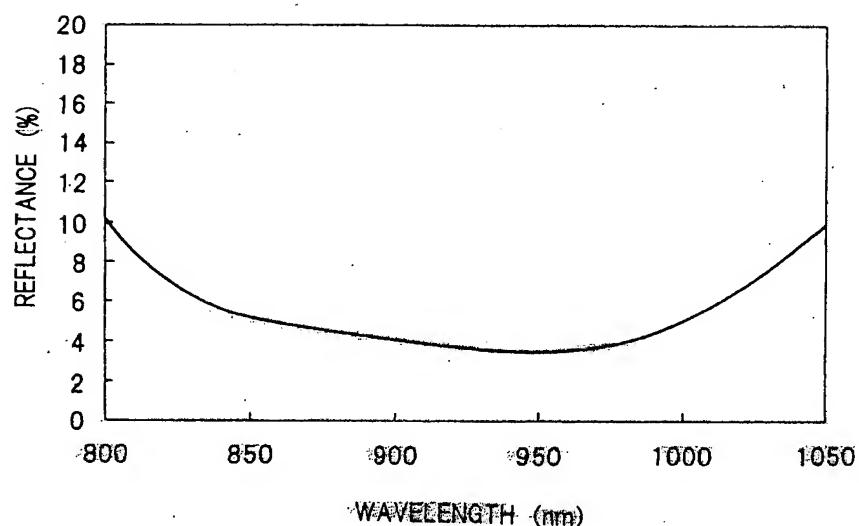
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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*Fig. 10*



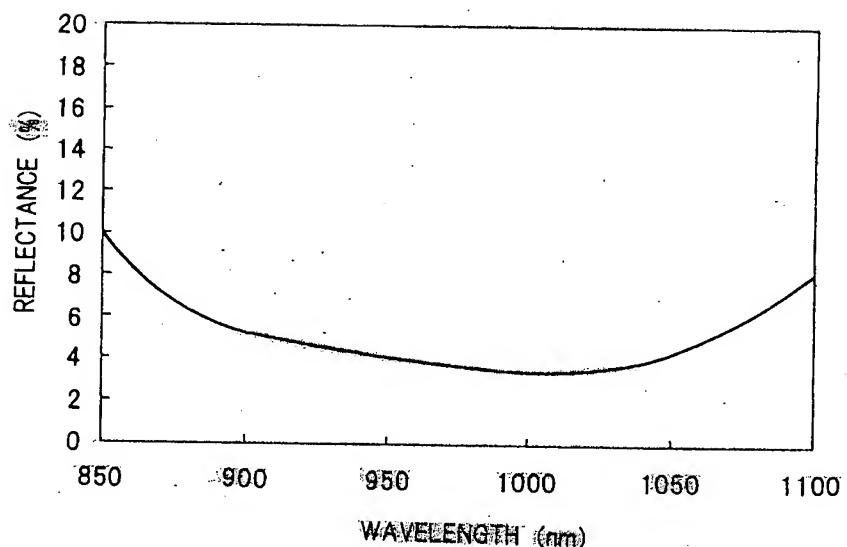
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*Fig. 11*



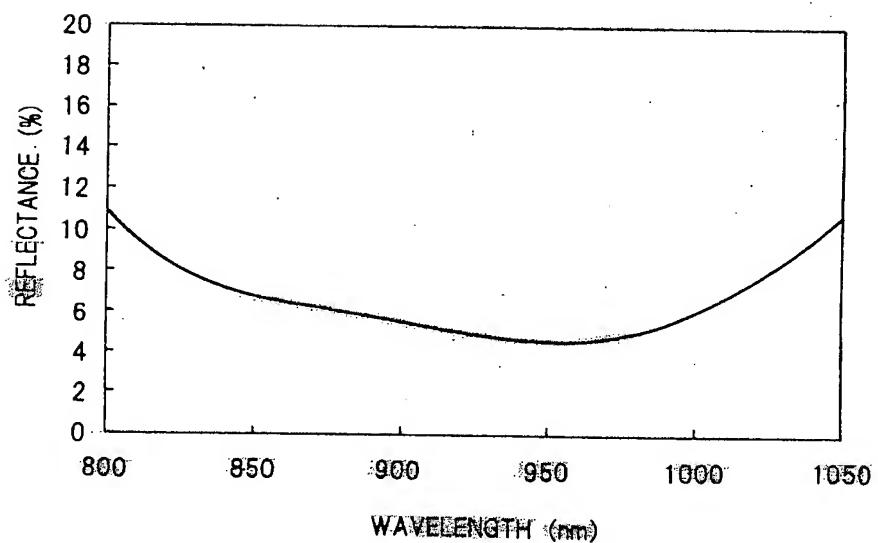
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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Fig. 12



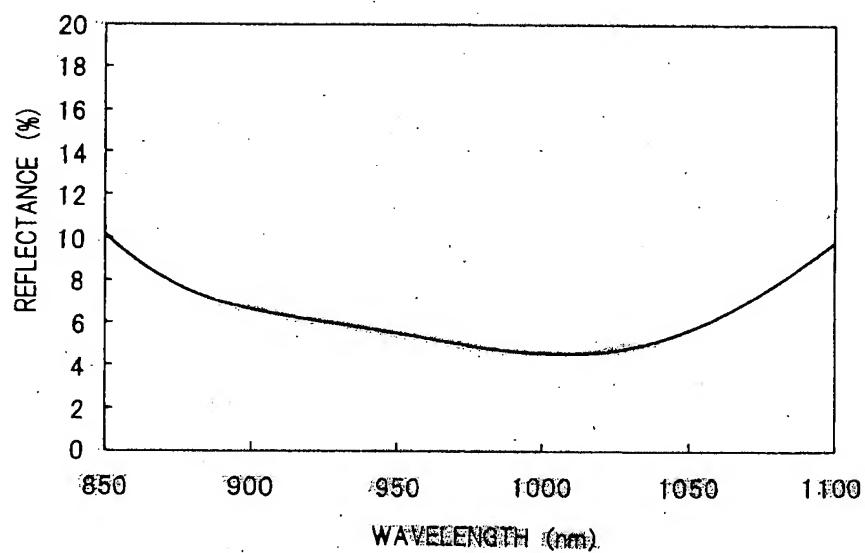
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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*Fig. 13*



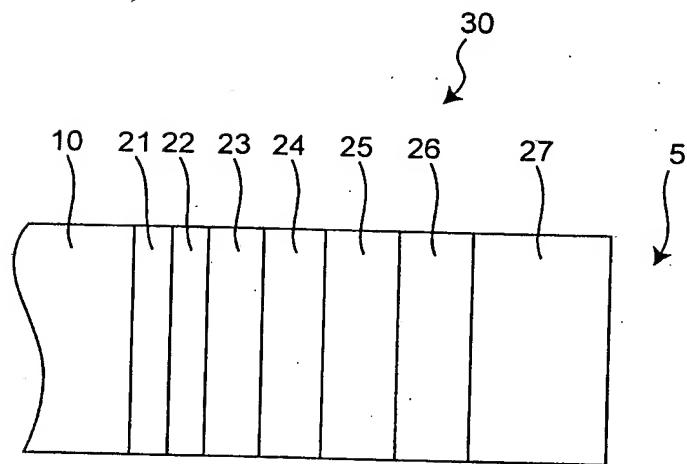
Title: SEMICONDUCTOR OPTICAL DEVICE  
Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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*Fig. 14*



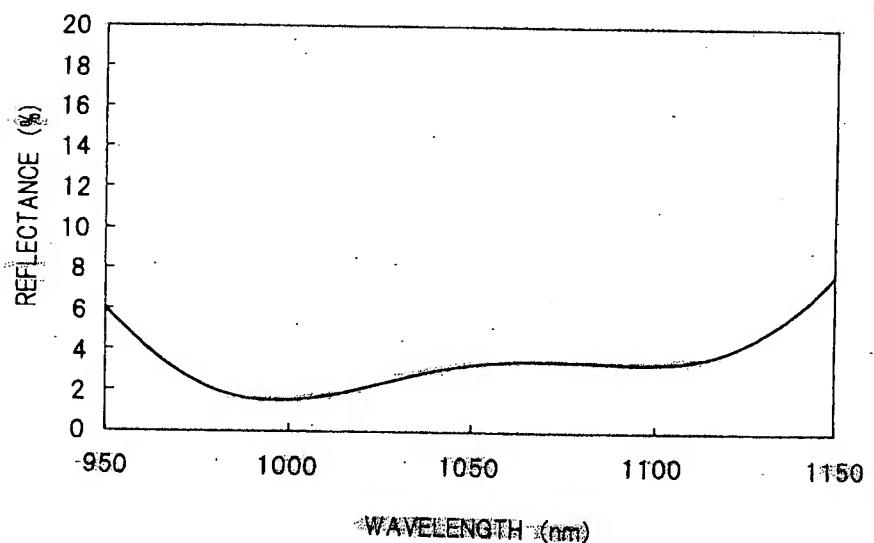
Title: SEMICONDUCTOR OPTICAL DEVICE  
Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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*Fig. 15*



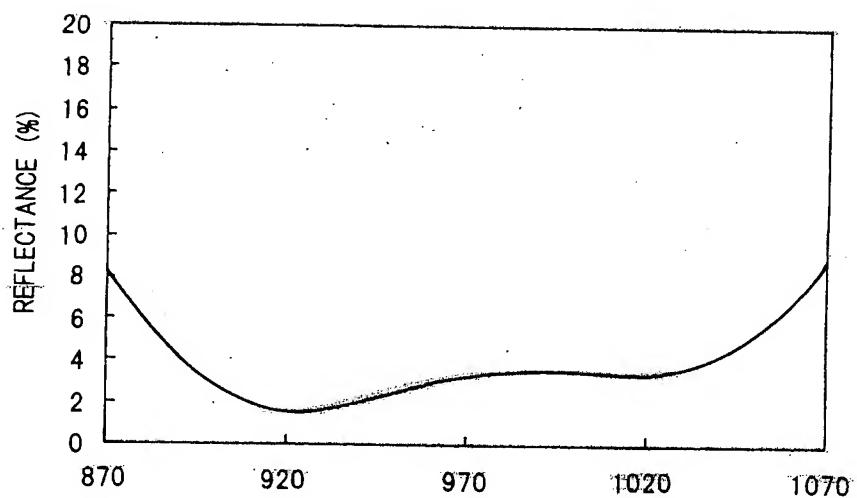
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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Fig. 16



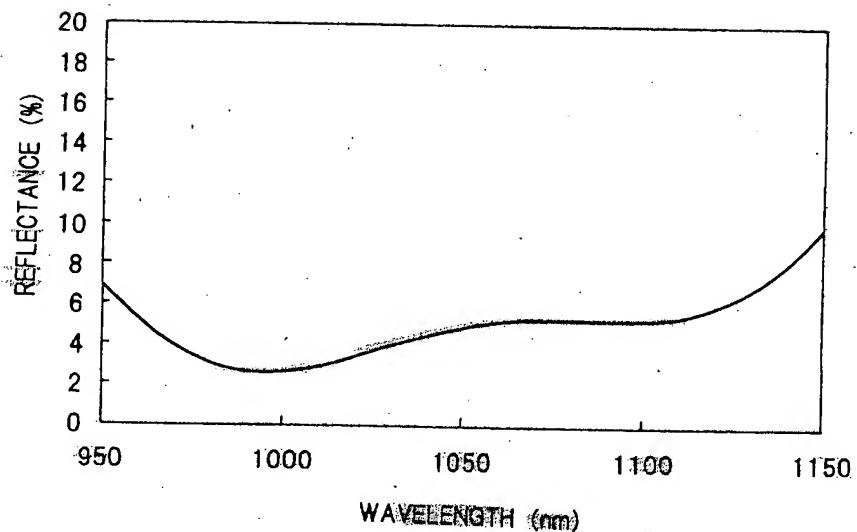
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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*Fig. 17*



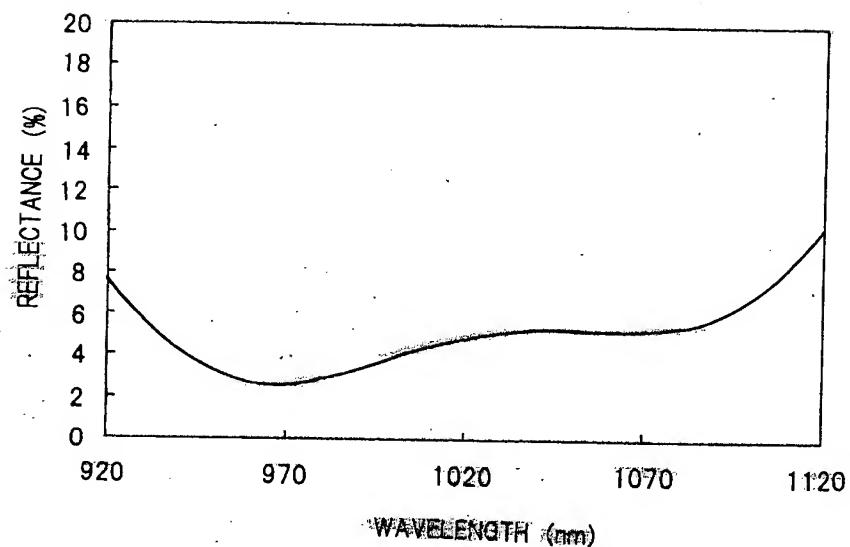
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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*Fig. 18*



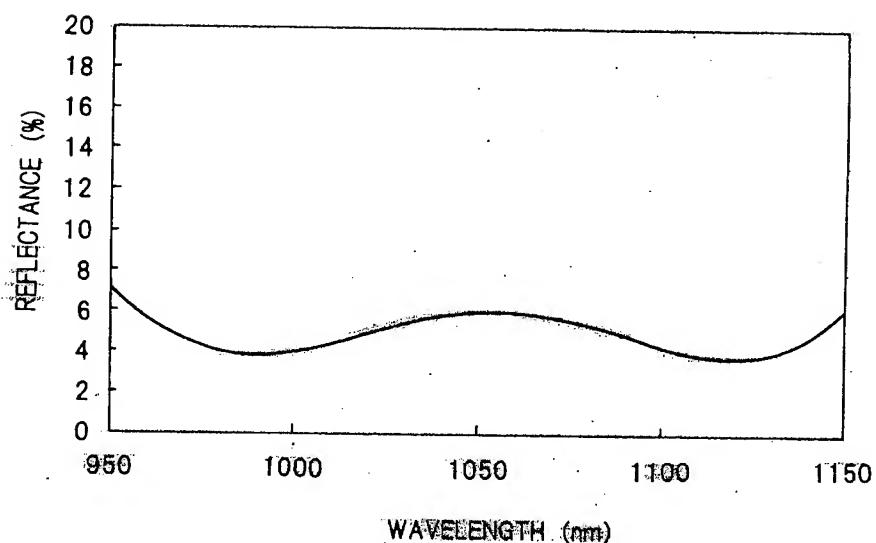
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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*Fig. 19*



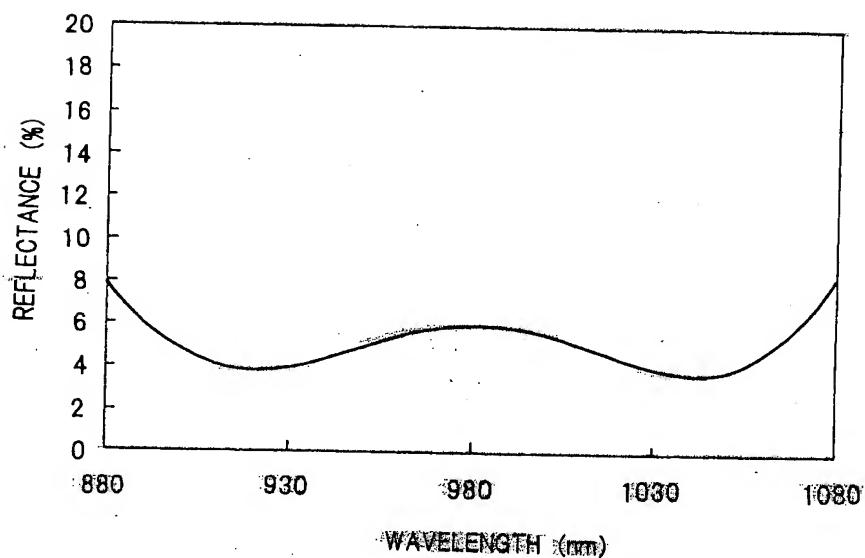
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
Leydig, Voit & Mayer 202-737-6770

*Fig. 20*



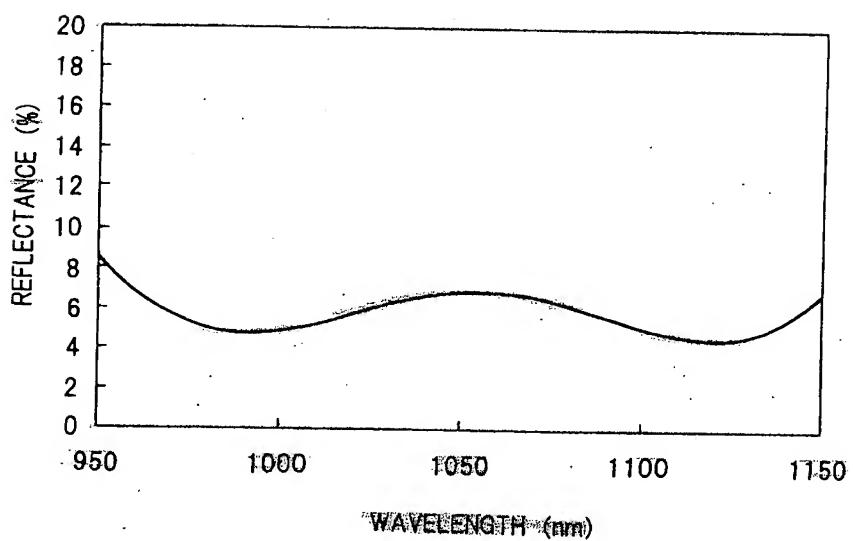
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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*Fig. 21*



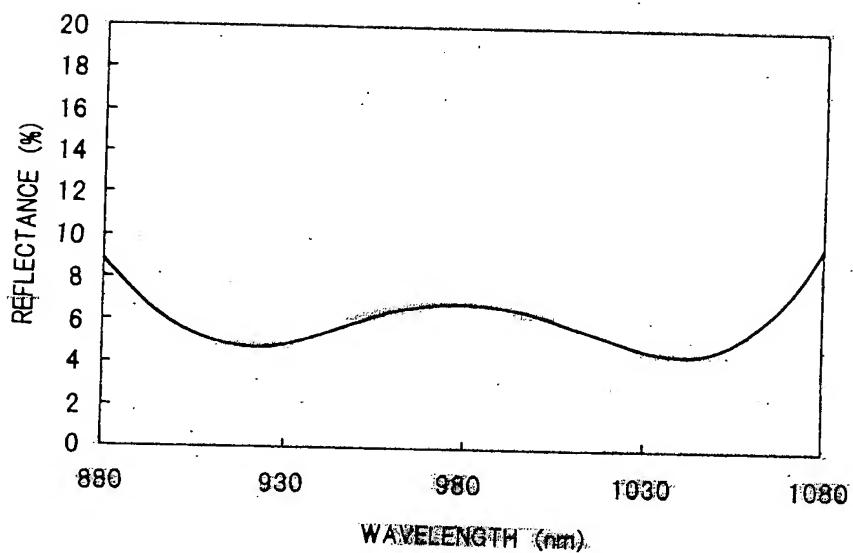
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Inventors: SHIGIHARA et al.  
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Fig. 22



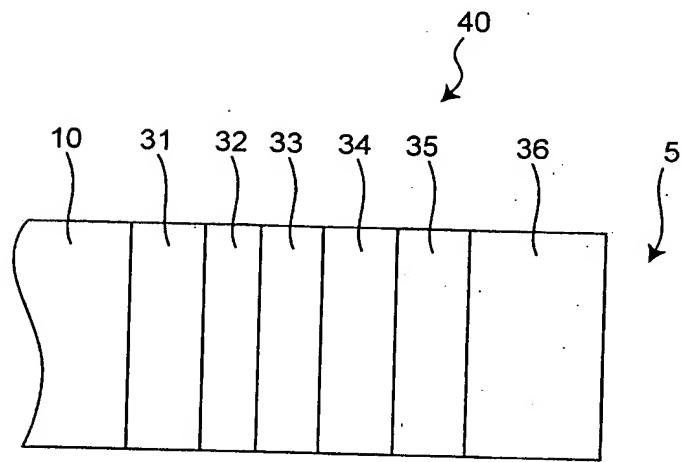
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Inventors: SHIGIHARA et al.  
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Fig. 23



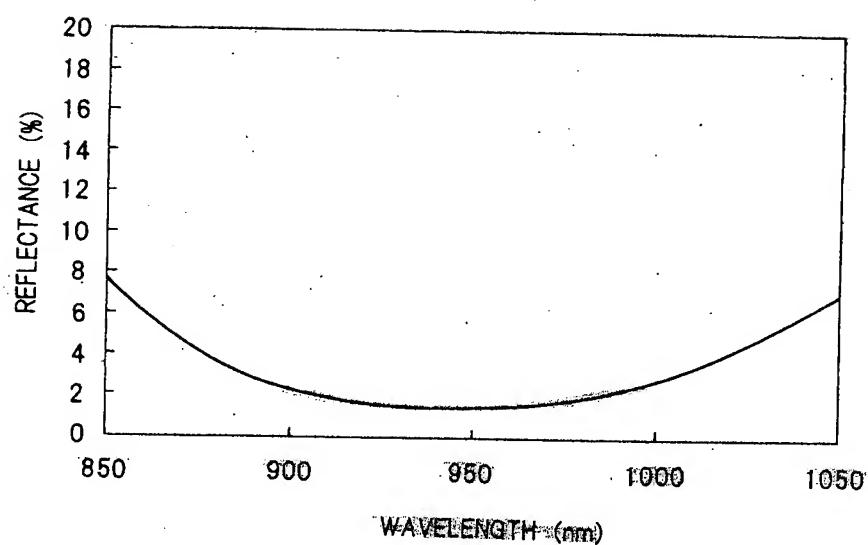
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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*Fig. 24*



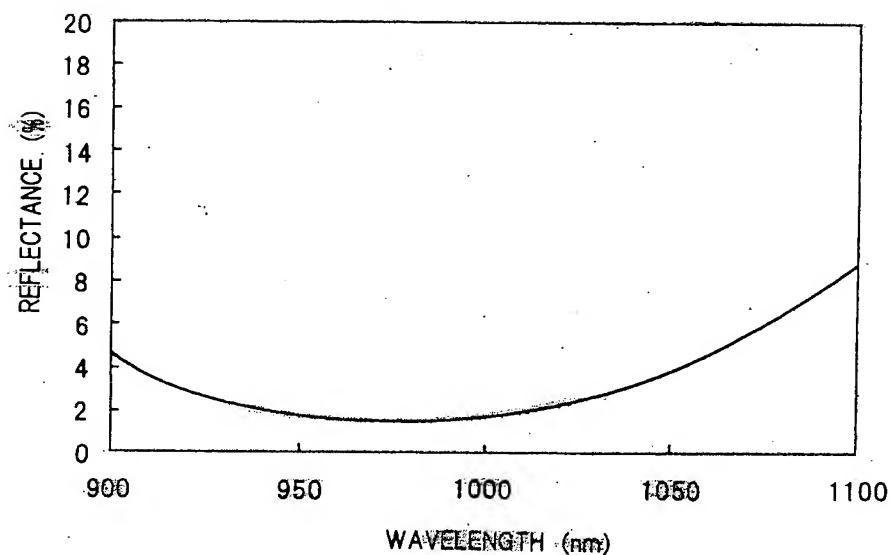
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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*Fig. 25*



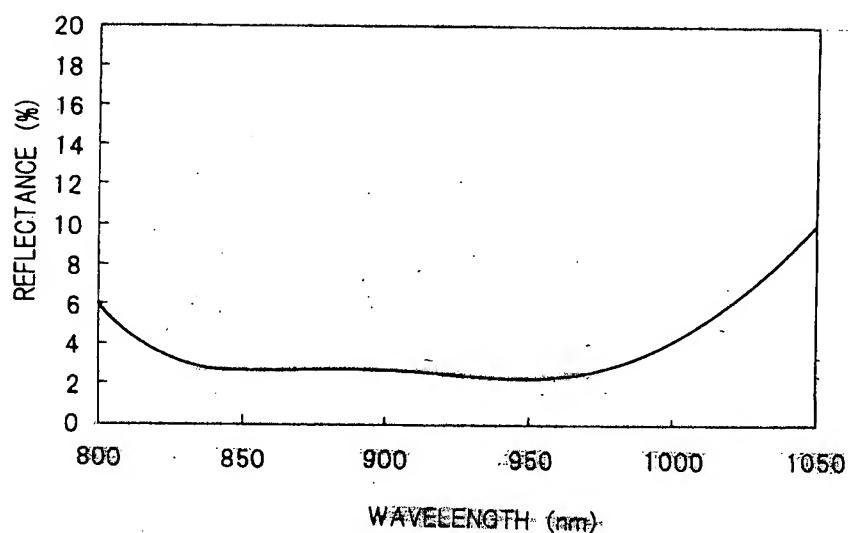
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Atty Docket No.: 402801  
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*Fig. 26*



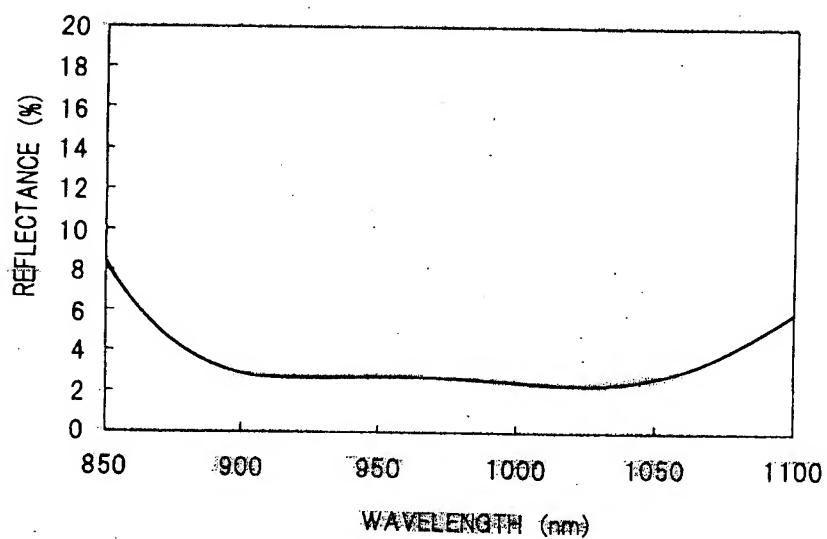
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Atty Docket No.: 402801  
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*Fig. 27*



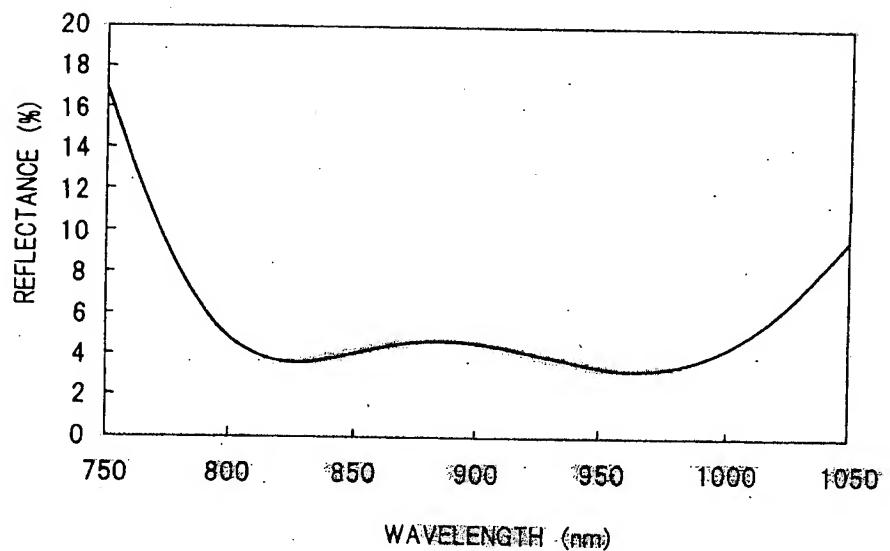
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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*Fig. 28*



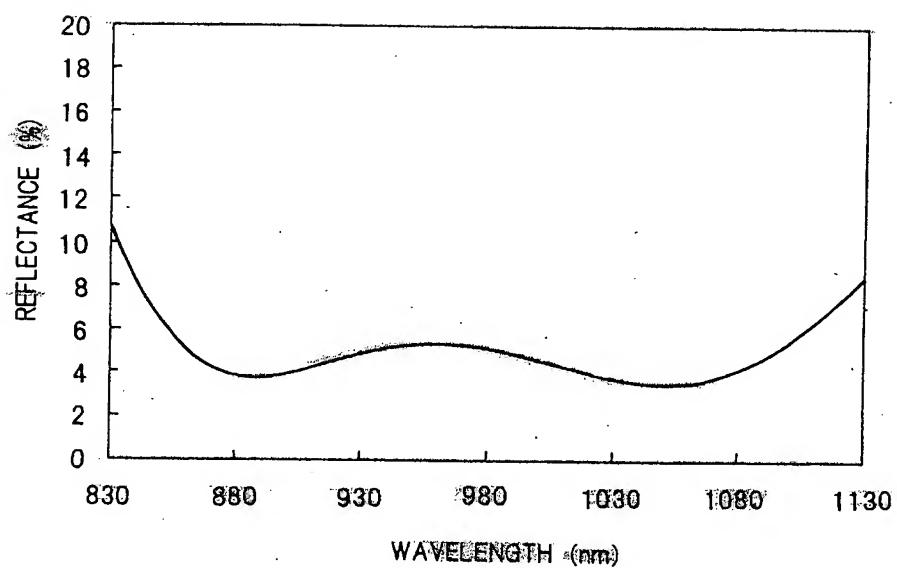
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Atty Docket No.: 402801  
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*Fig. 29*



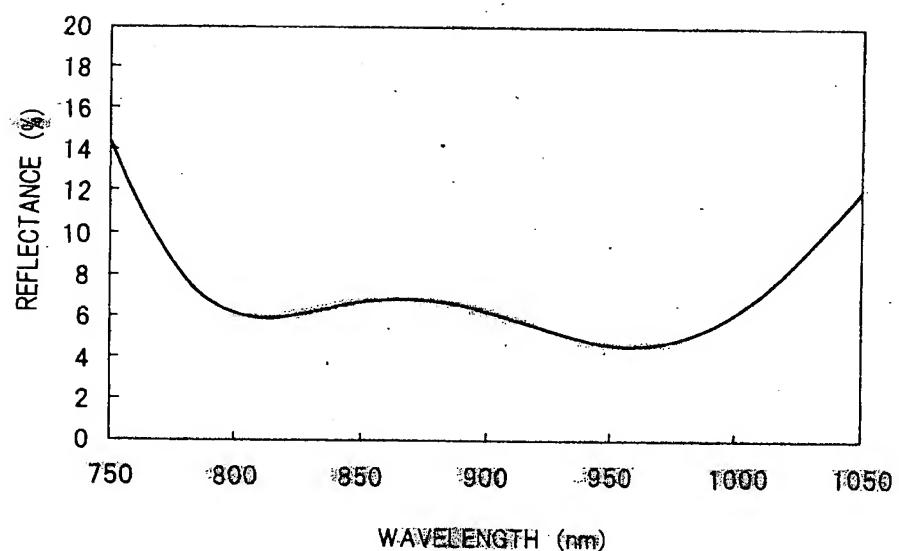
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Inventors: SHIGIHARA et al.  
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*Fig. 30*



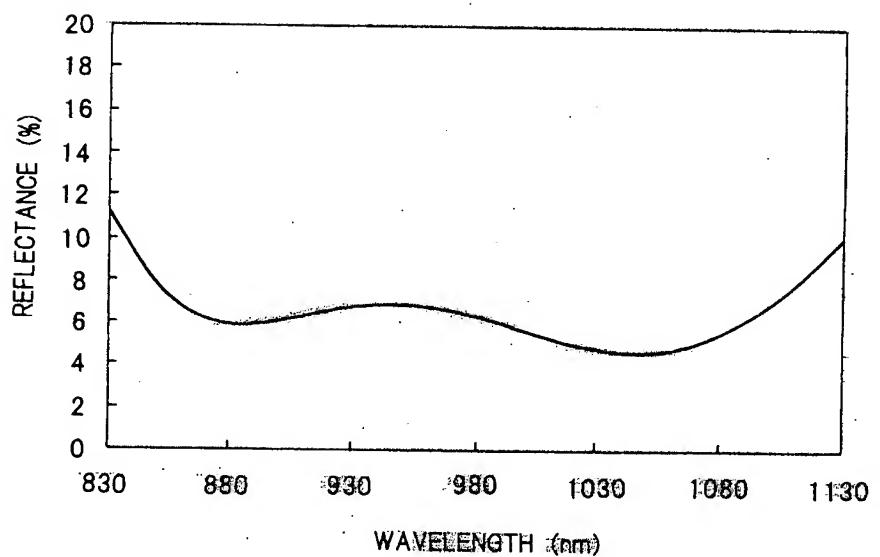
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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*Fig. 31*



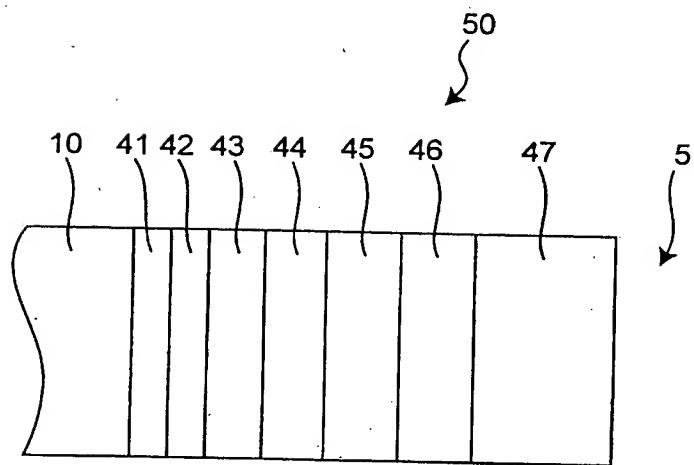
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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*Fig. 32*



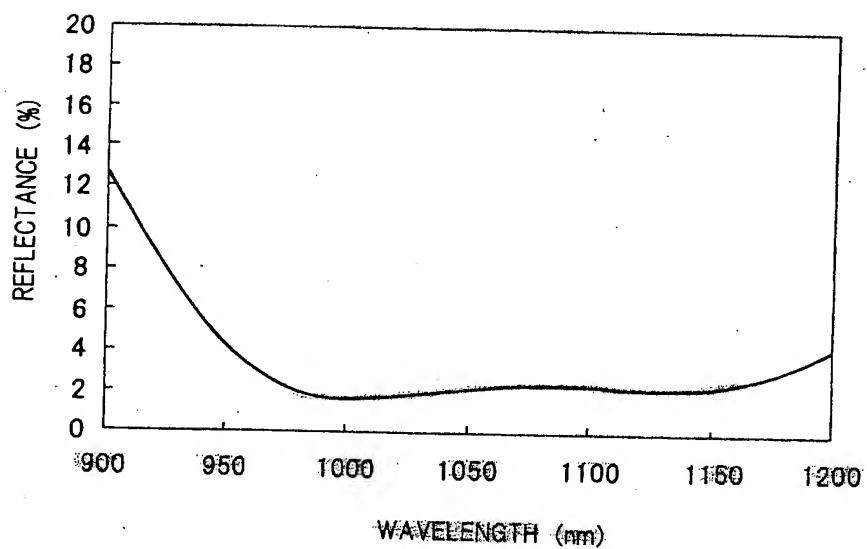
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Inventors: SHIGIHARA et al.  
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*Fig.33*



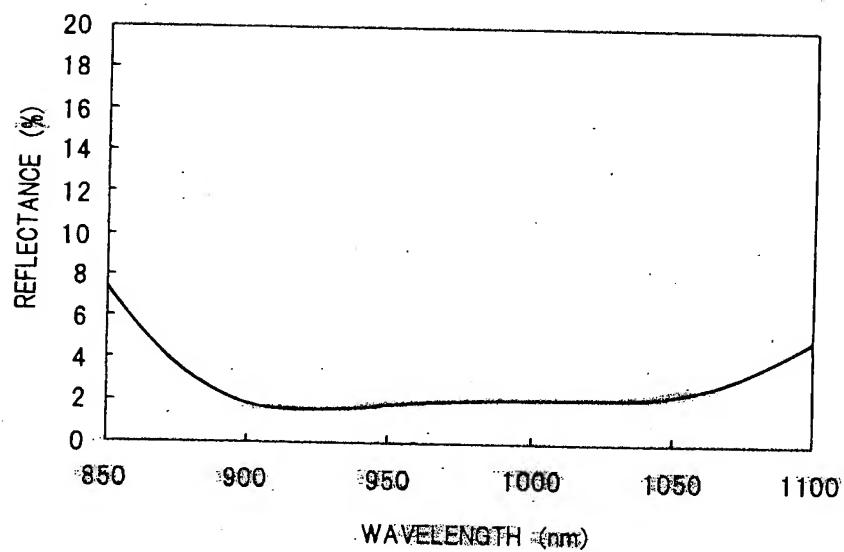
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Fig. 34



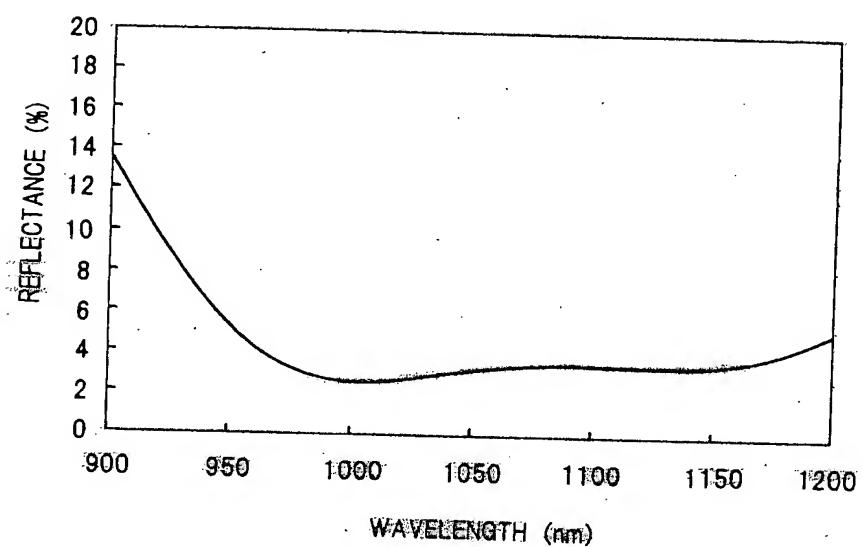
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Inventors: SHIGIHARA et al.  
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*Fig. 35*



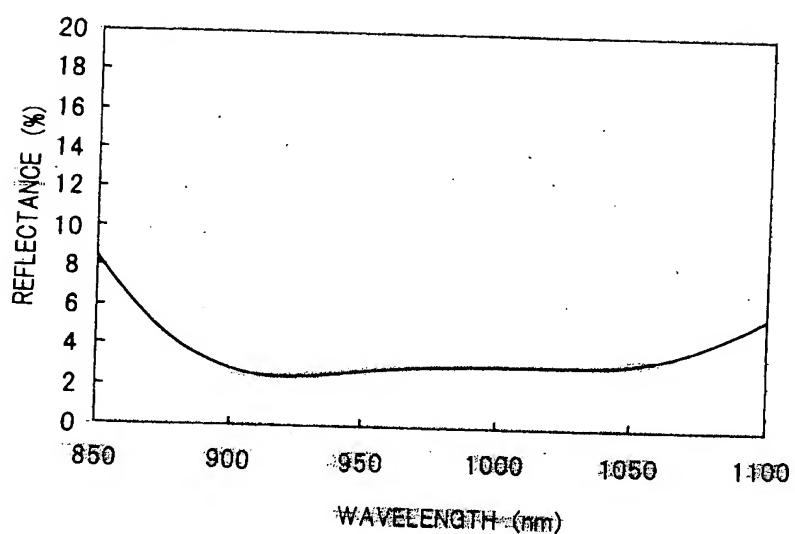
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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*Fig.36*



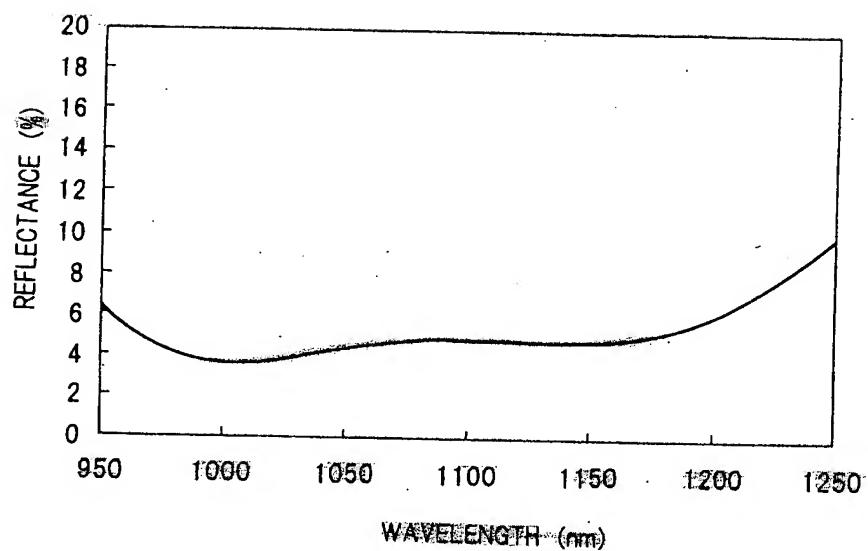
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Atty Docket No.: 402801  
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*Fig.37*



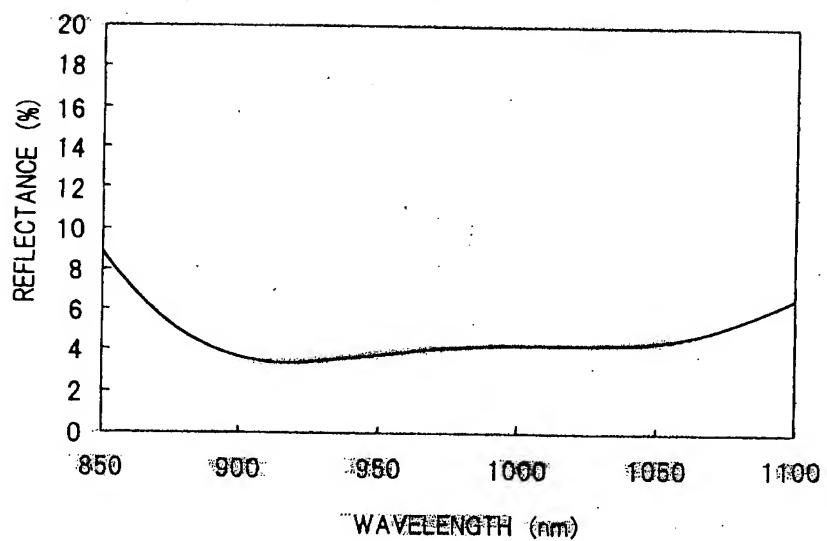
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Atty Docket No.: 402801  
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*Fig. 38*



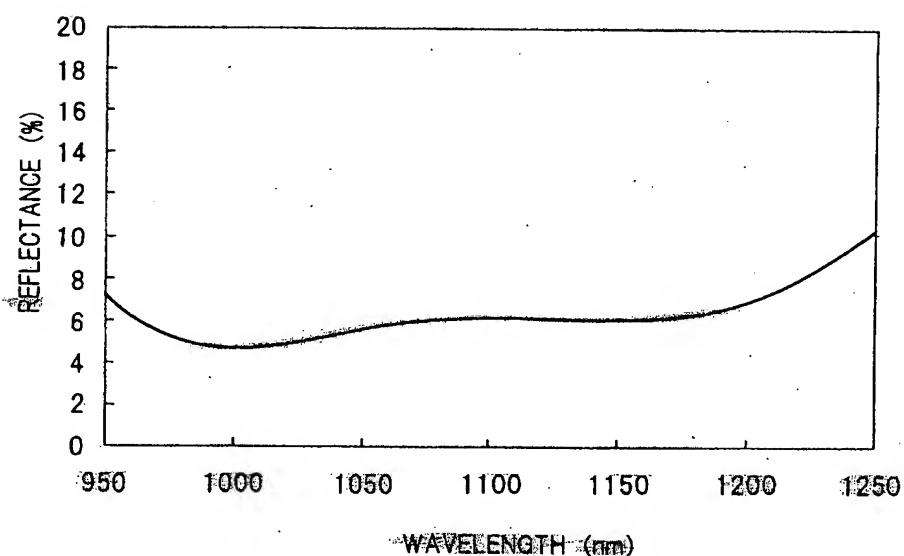
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Atty Docket No.: 402801  
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*Fig. 39*



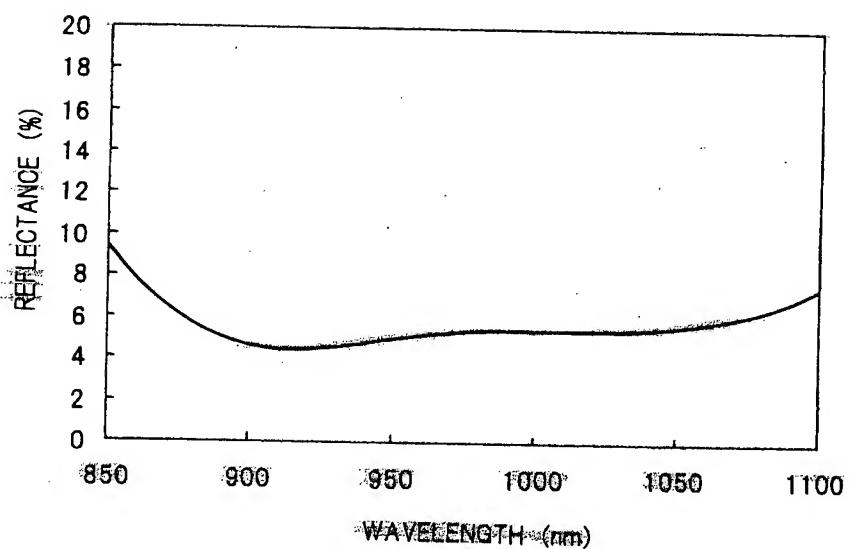
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
Leydig, Voit & Mayer 202-737-6770

Fig. 40



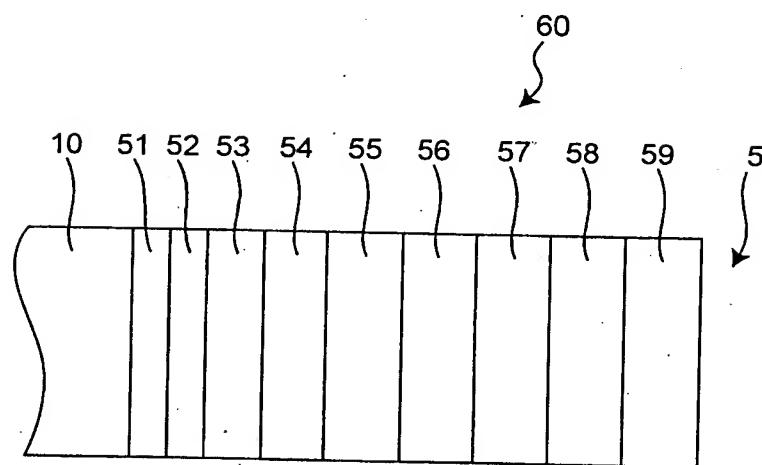
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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*Fig. 41*



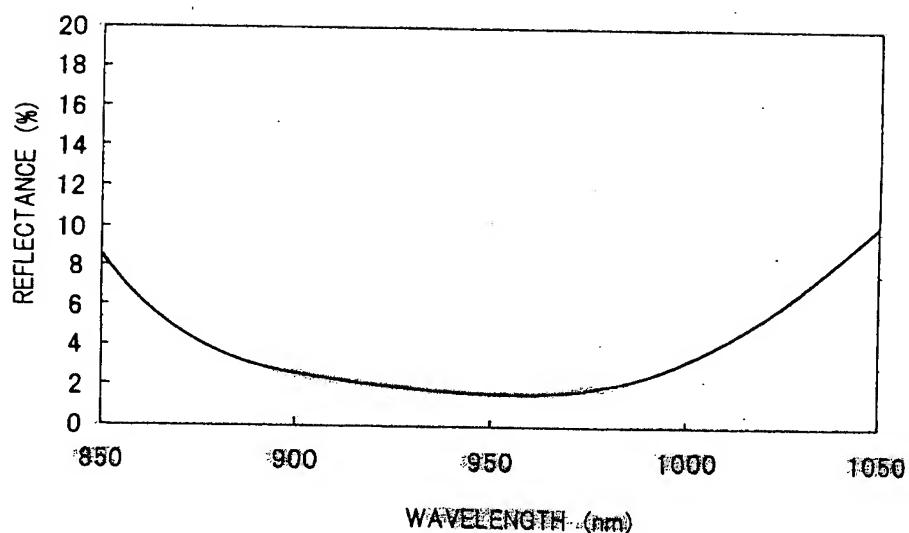
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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*Fig.42*



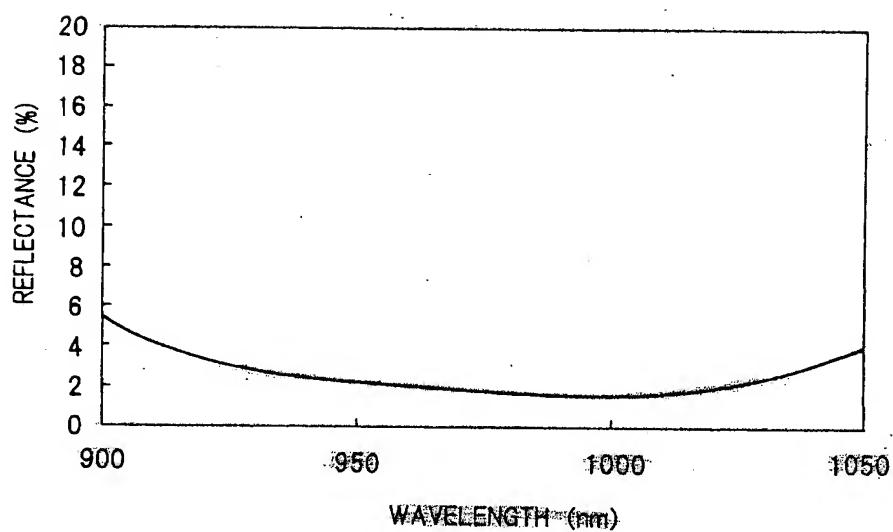
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
Leydig, Voit & Mayer 202-737-6770

*Fig. 43*



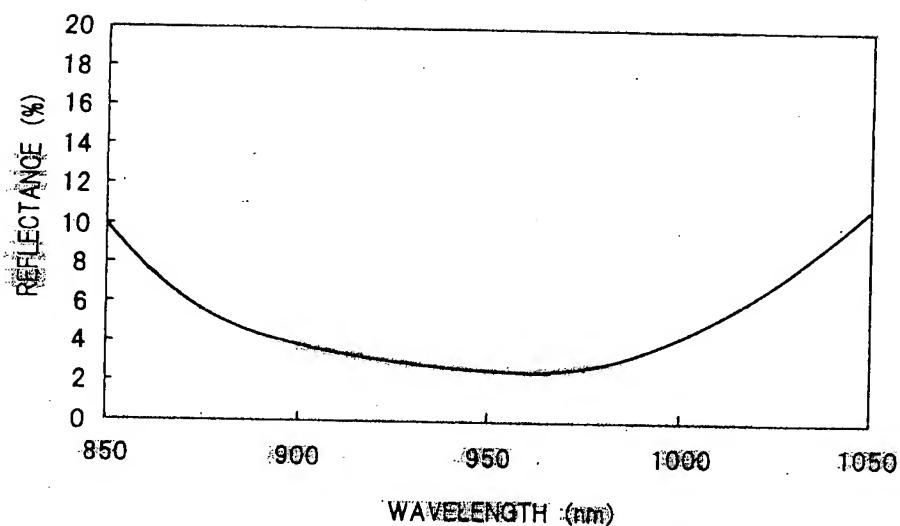
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
Leydig, Voit & Mayer 202-737-6770

*Fig. 44*



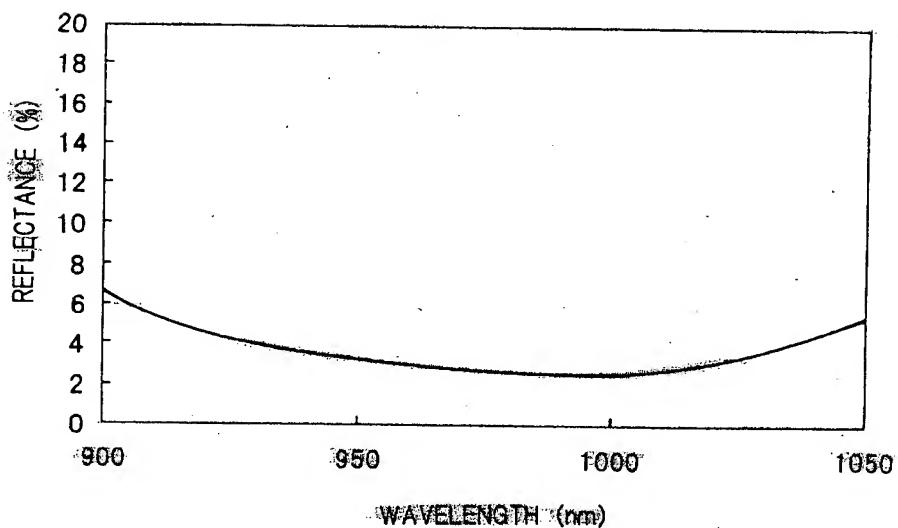
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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*Fig. 45*



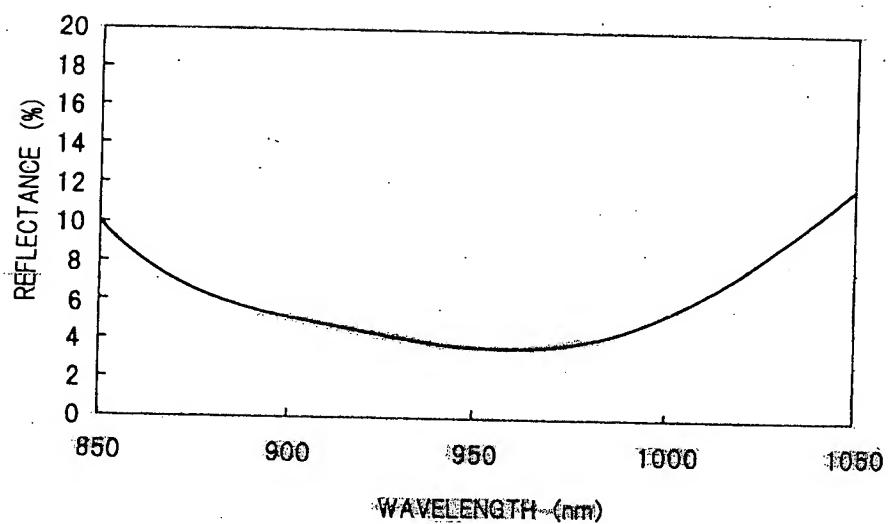
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
Leydig, Voit & Mayer 202-737-6770

*Fig. 46*



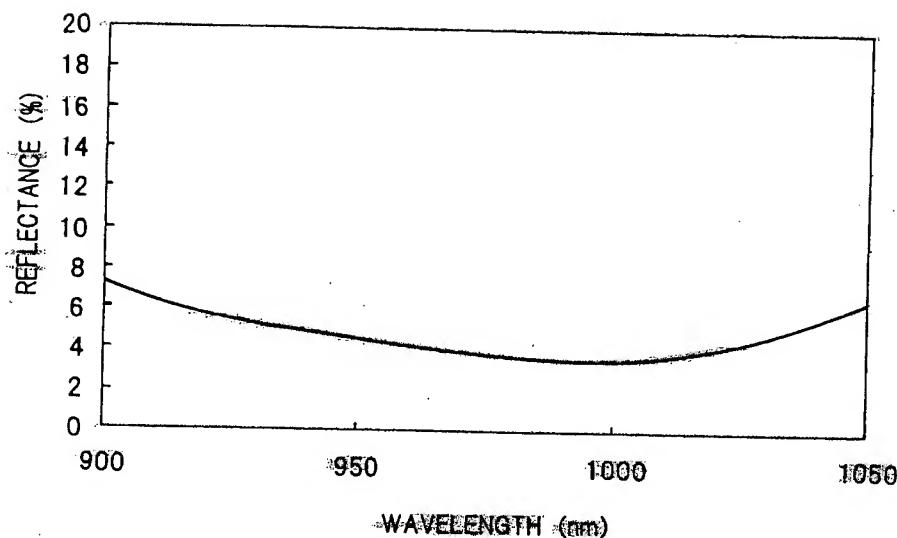
Title: SEMICONDUCTOR OPTICAL DEVICE  
Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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Fig.47



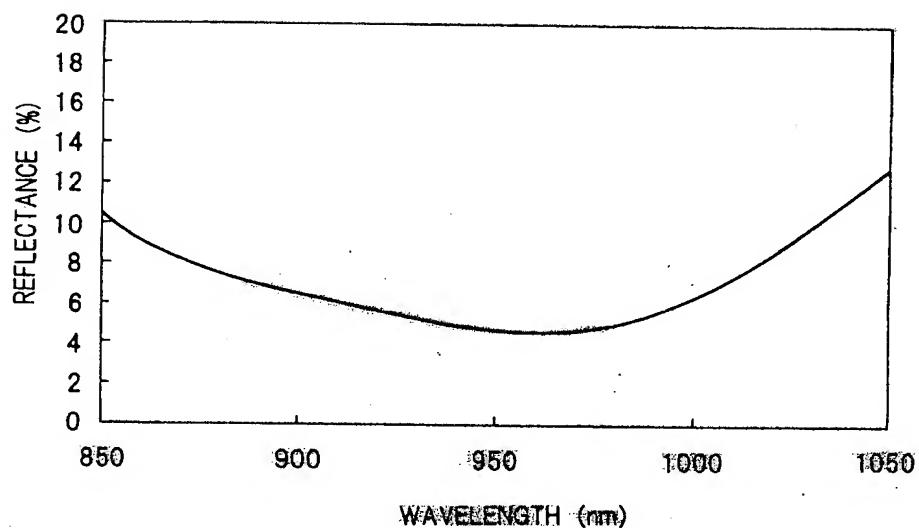
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
Leydig, Voit & Mayer 202-737-6770

*Fig.48*



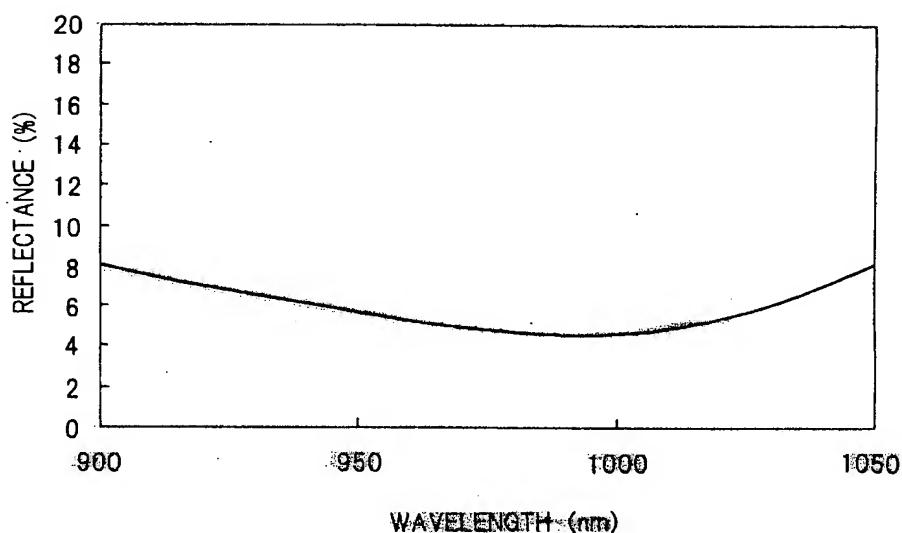
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
Leydig, Voit & Mayer 202-737-6770

*Fig. 49*



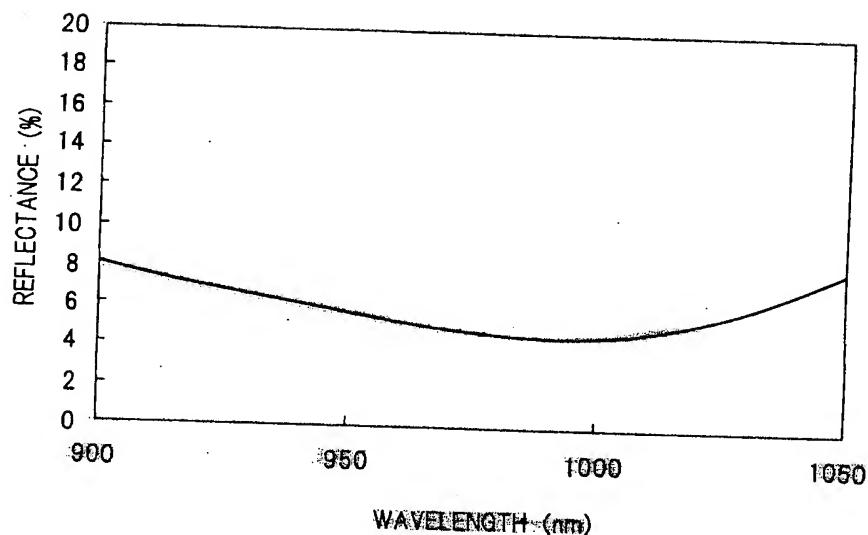
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
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Fig. 50



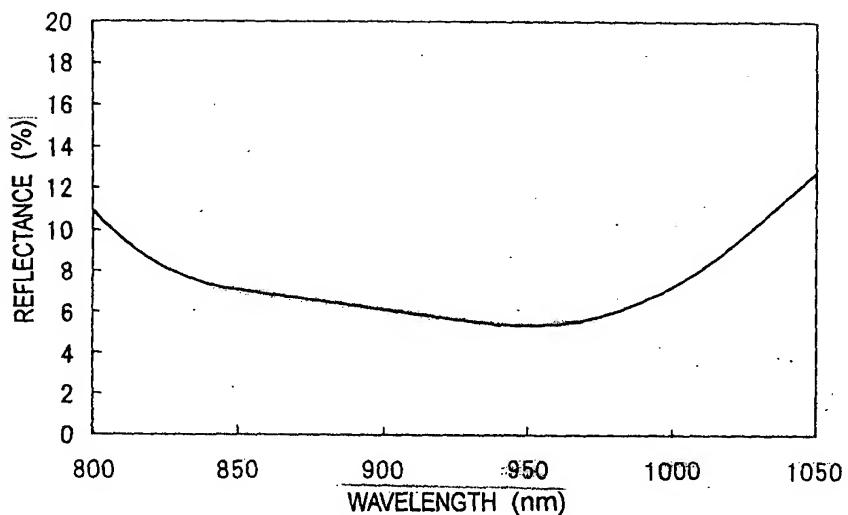
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Inventors: SHIGIHARA et al.  
Atty Docket No.: 402801  
Leydig, Voit & Mayer 202-737-6770

*Fig. 50*

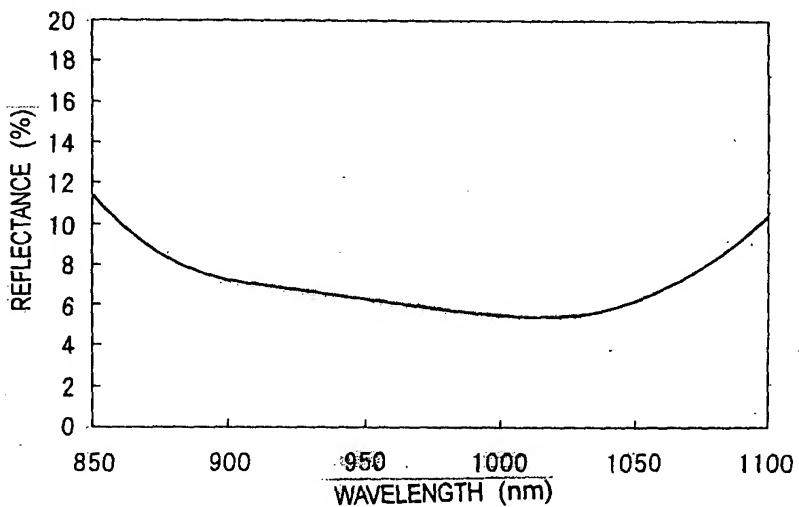


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Atty Docket No.: 402801  
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*Fig.51*



*Fig.52*



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Atty Docket No.: 402801  
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Fig.53

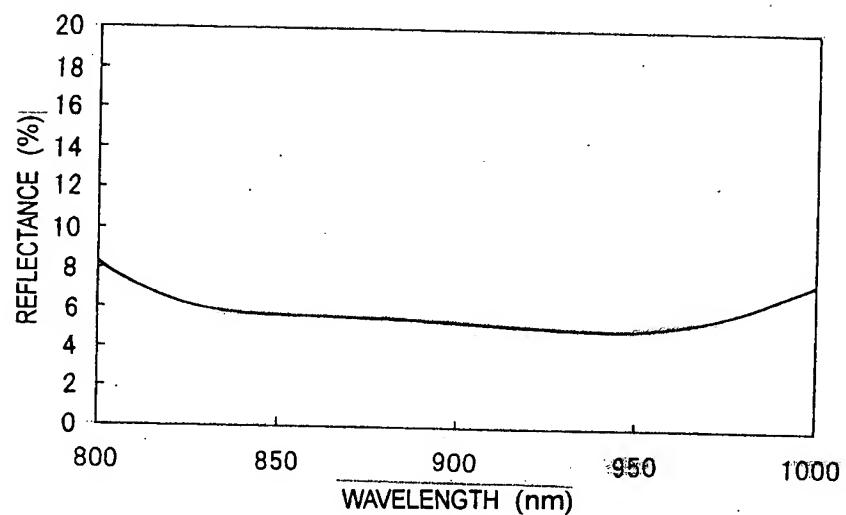
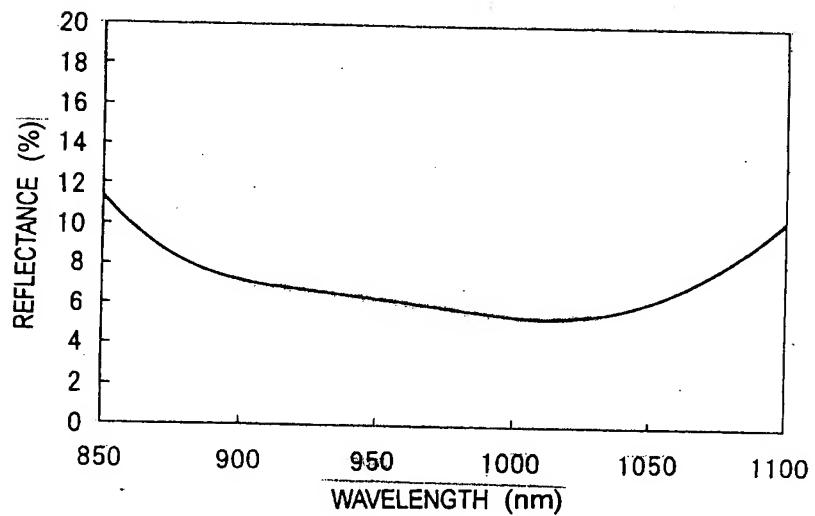
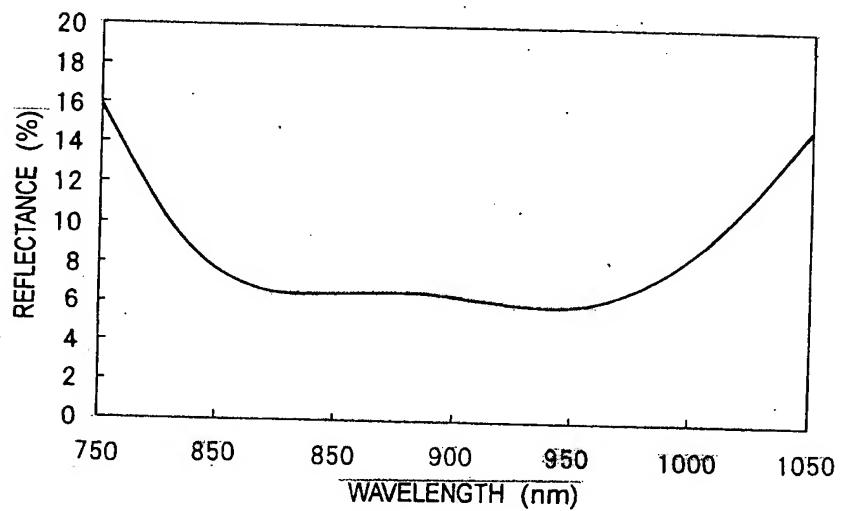


Fig.54

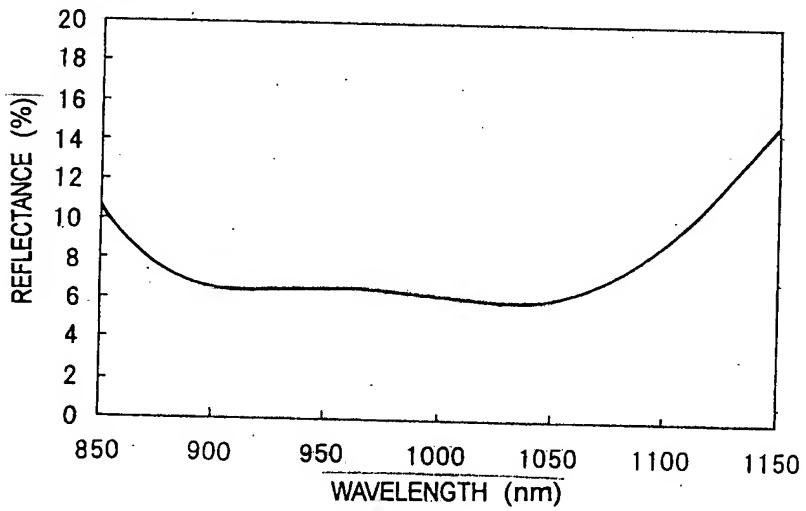


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*Fig. 55*

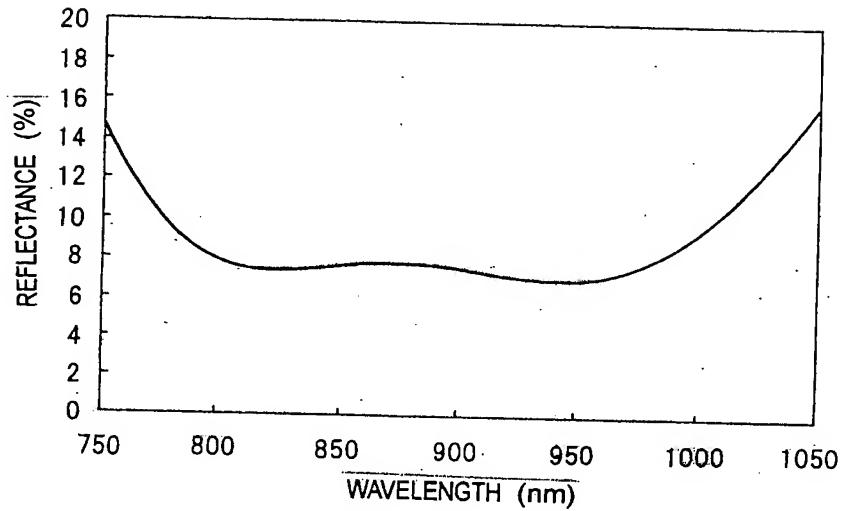


*Fig. 56*

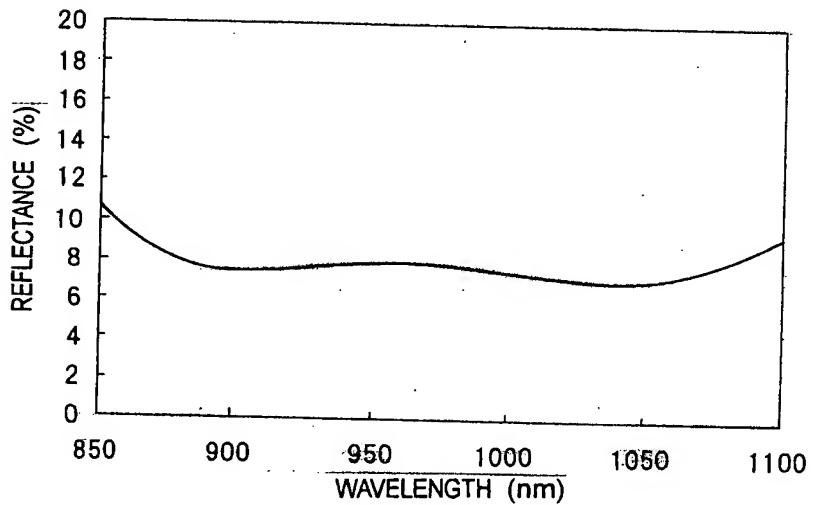


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*Fig. 57*

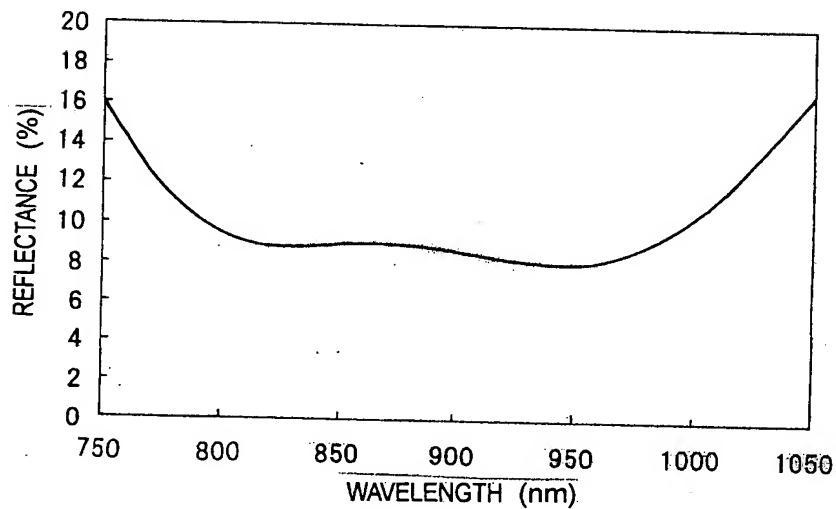


*Fig. 58*

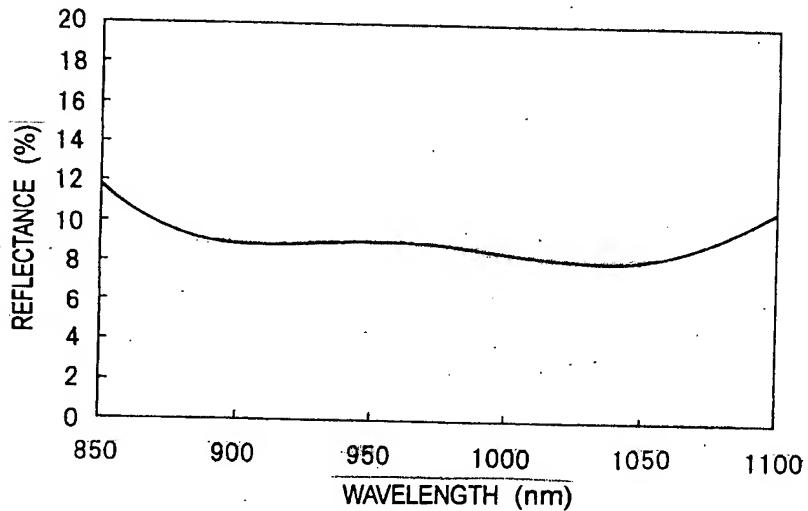


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*Fig. 59*

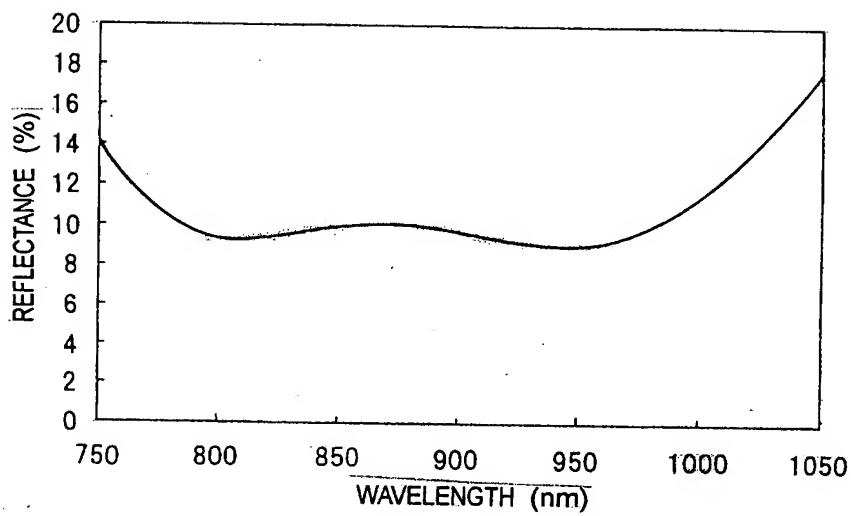


*Fig. 60*

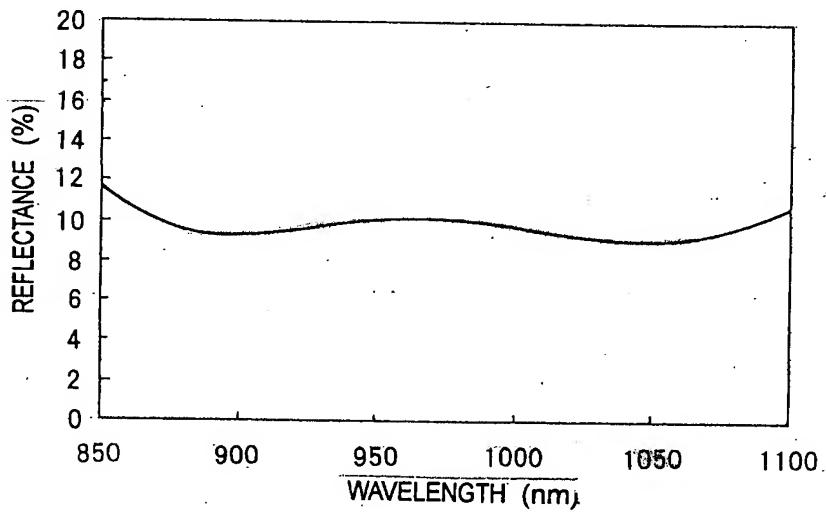


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*Fig. 61*

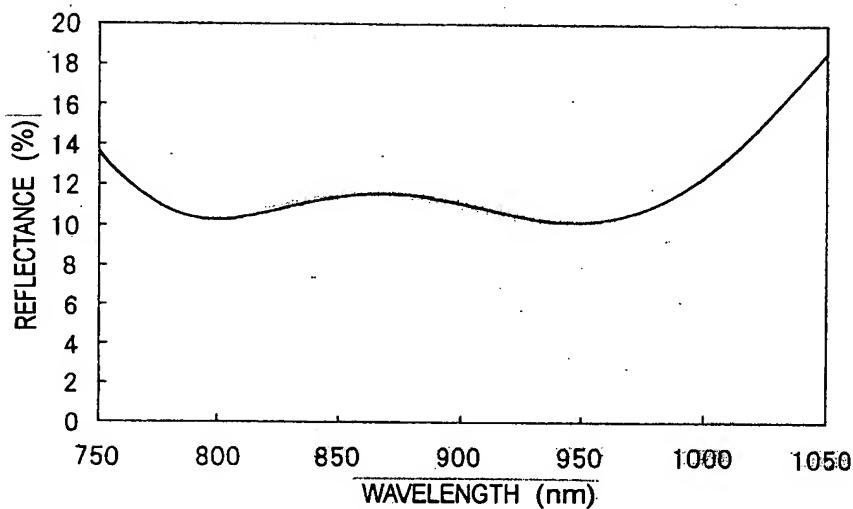


*Fig. 62*

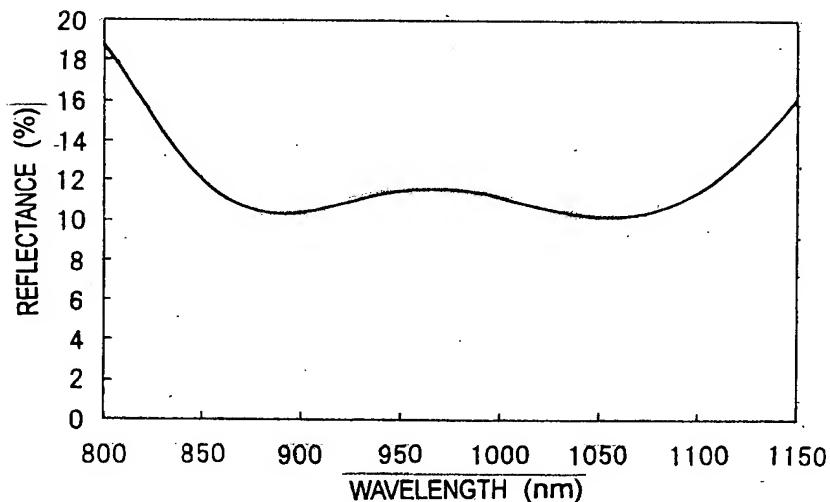


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*Fig. 63*

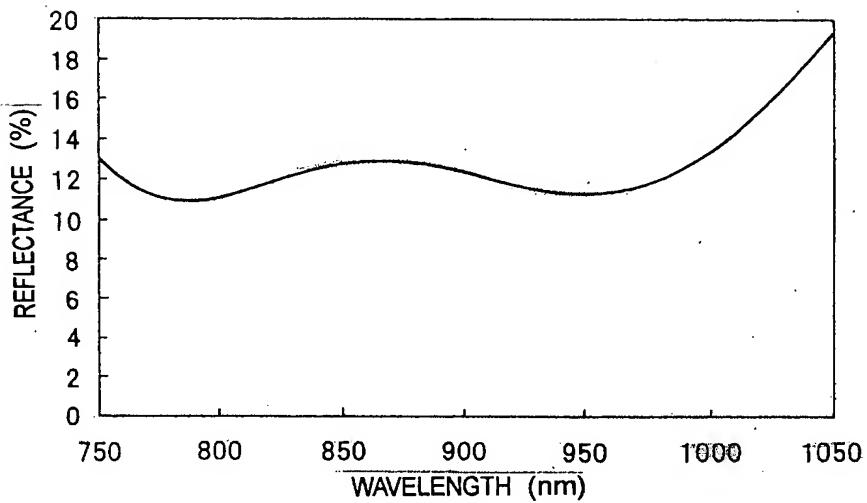


*Fig. 64*

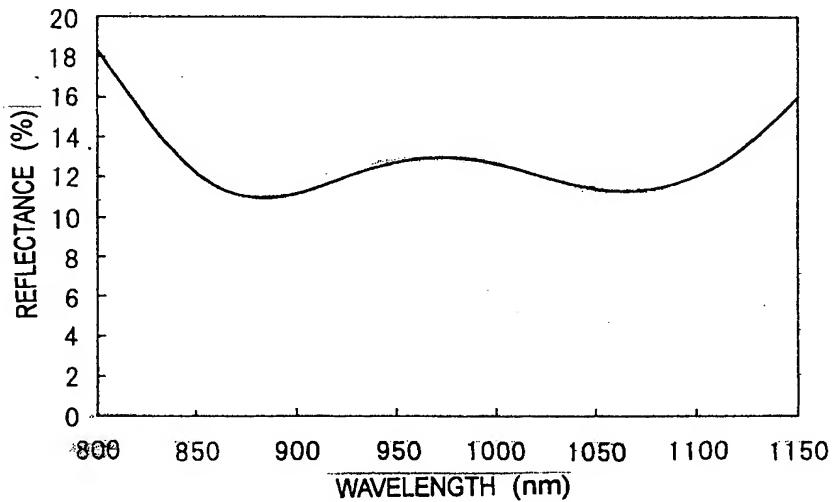


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*Fig. 65*

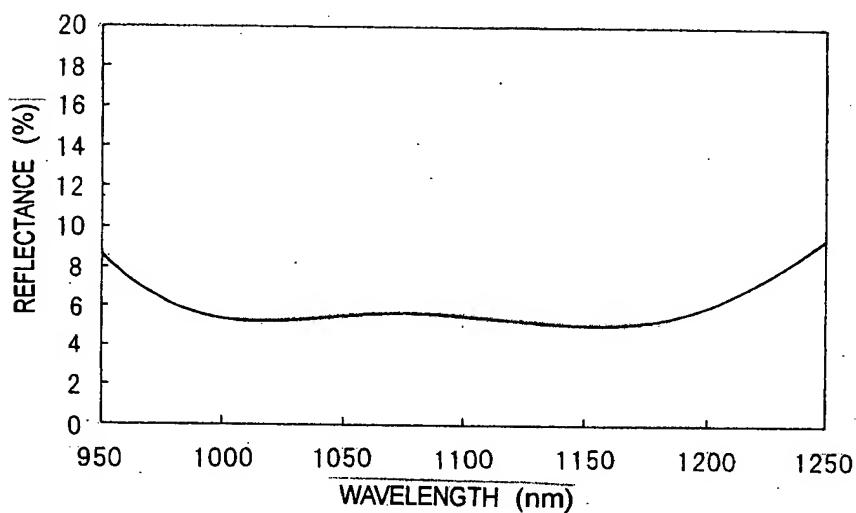


*Fig. 66*

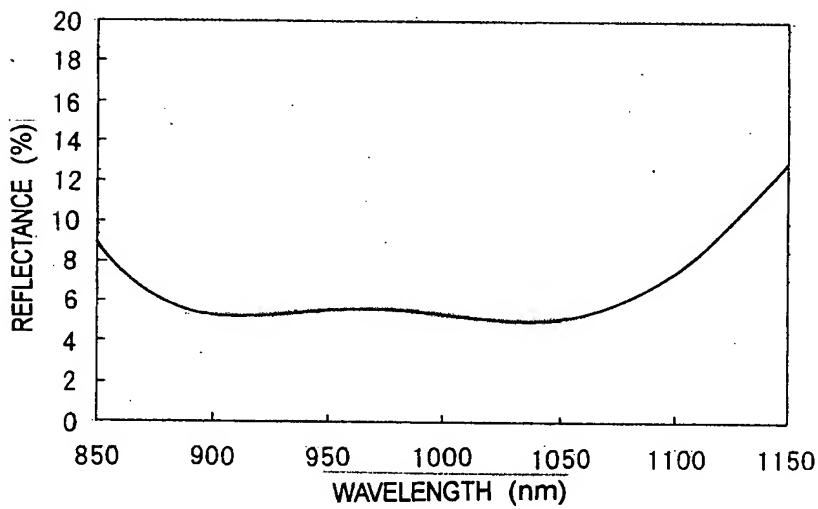


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*Fig. 67*

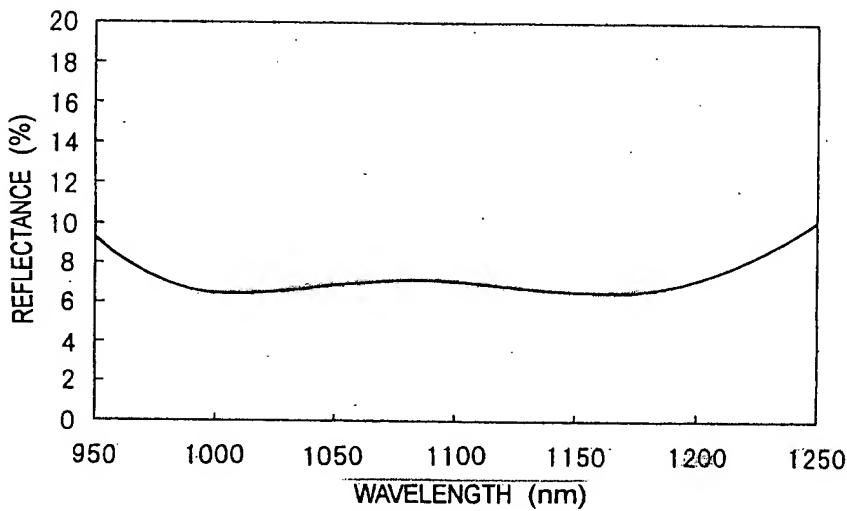


*Fig. 68*

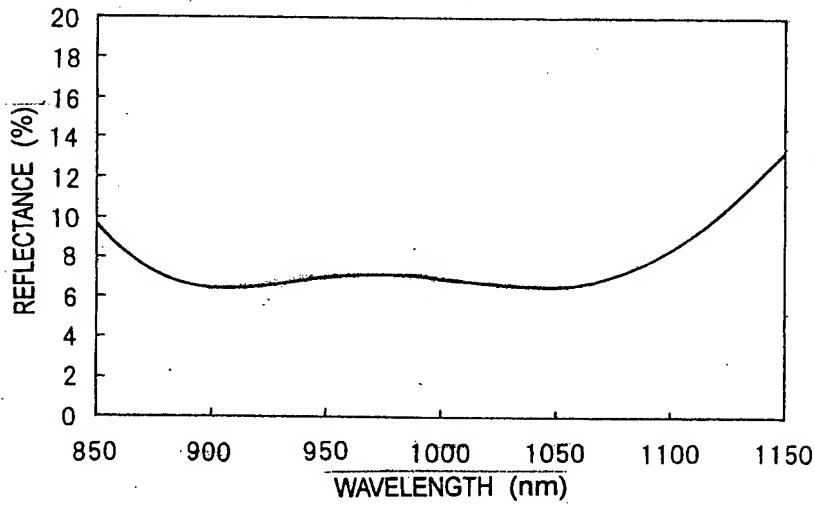


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*Fig. 69*

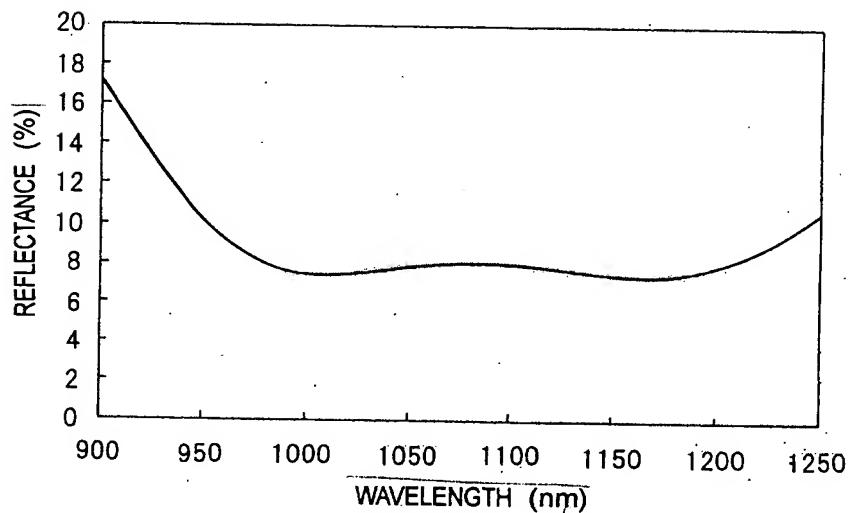


*Fig. 70*

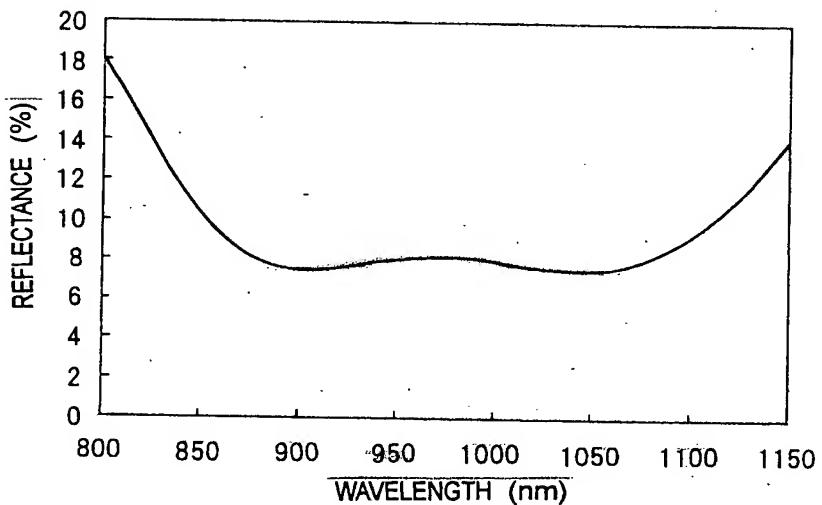


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*Fig. 71*

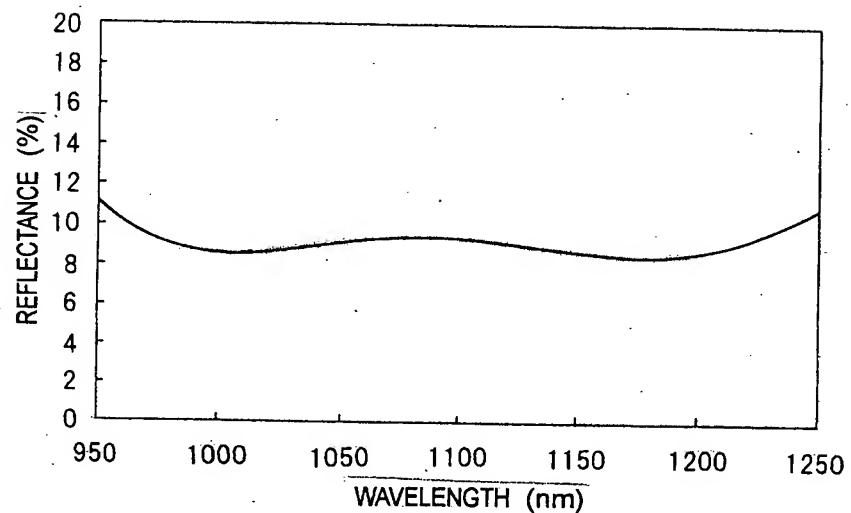


*Fig. 72*

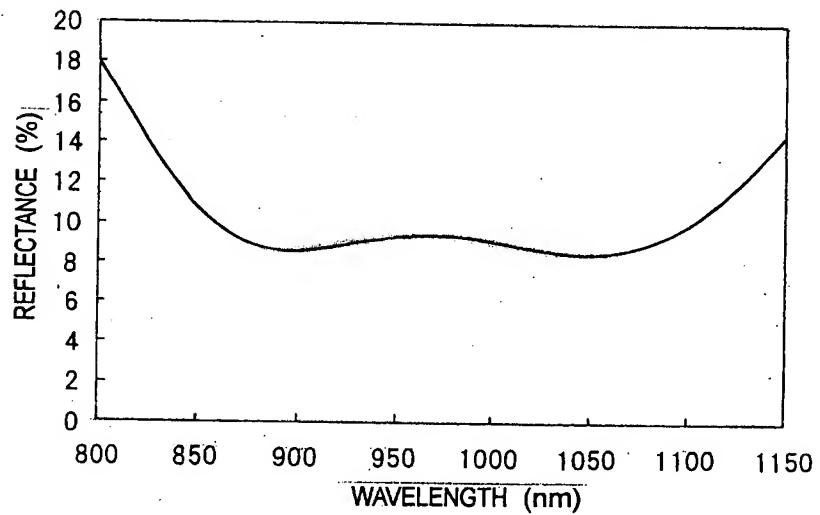


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*Fig. 73*

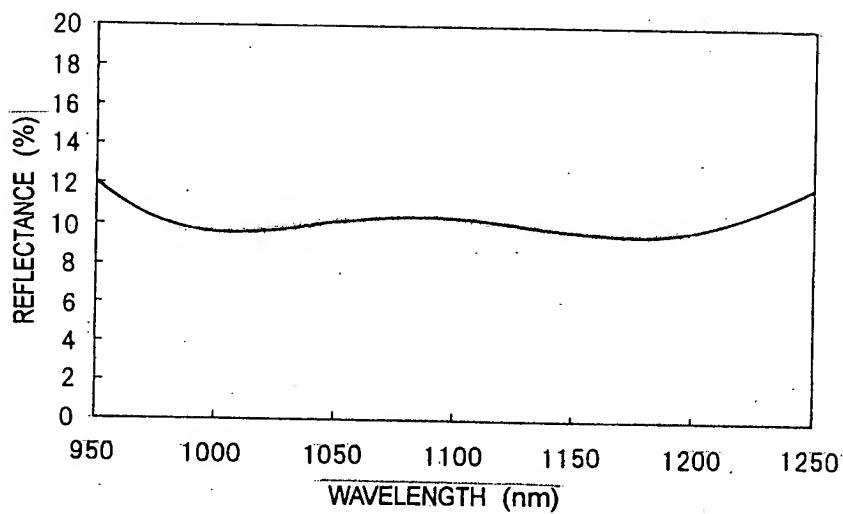


*Fig. 74*

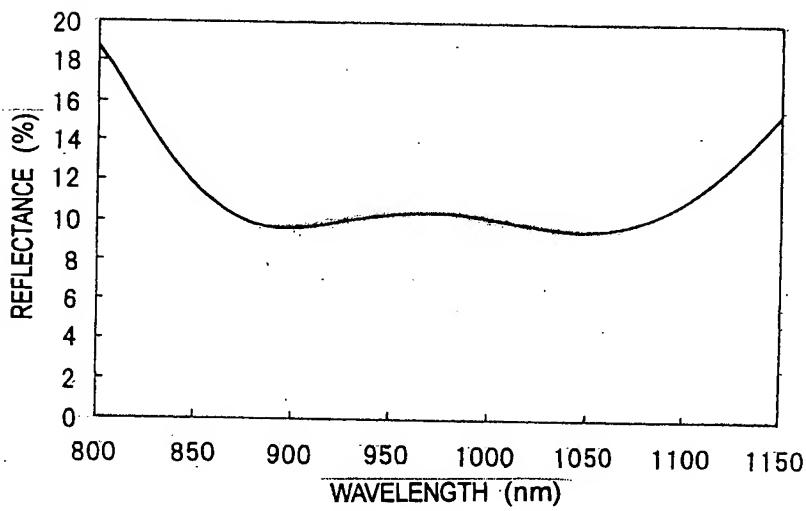


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*Fig. 75*

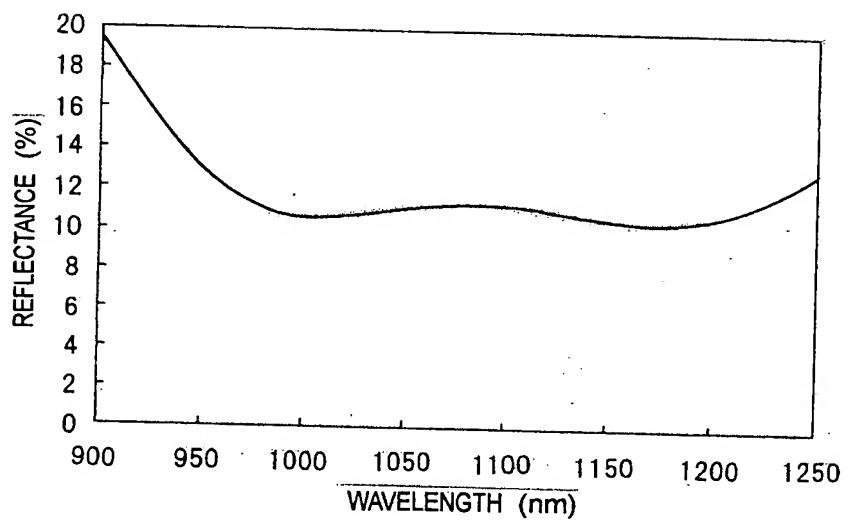


*Fig. 76*

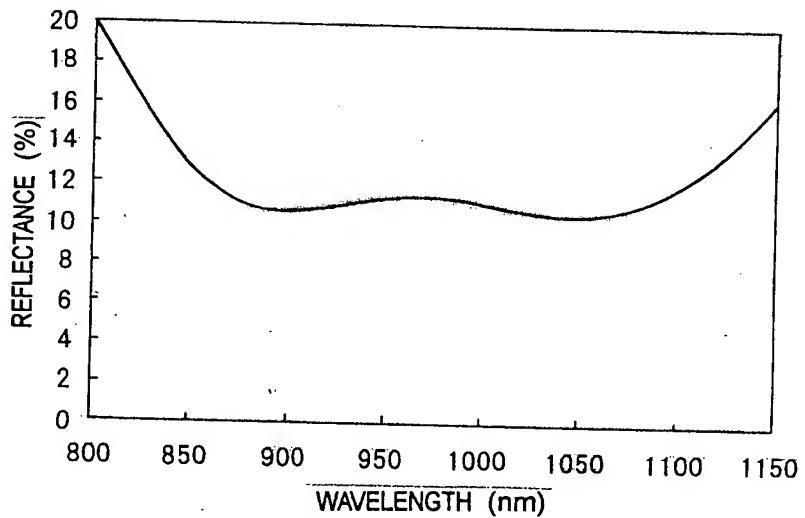


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Atty Docket No.: 402801  
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*Fig. 77*

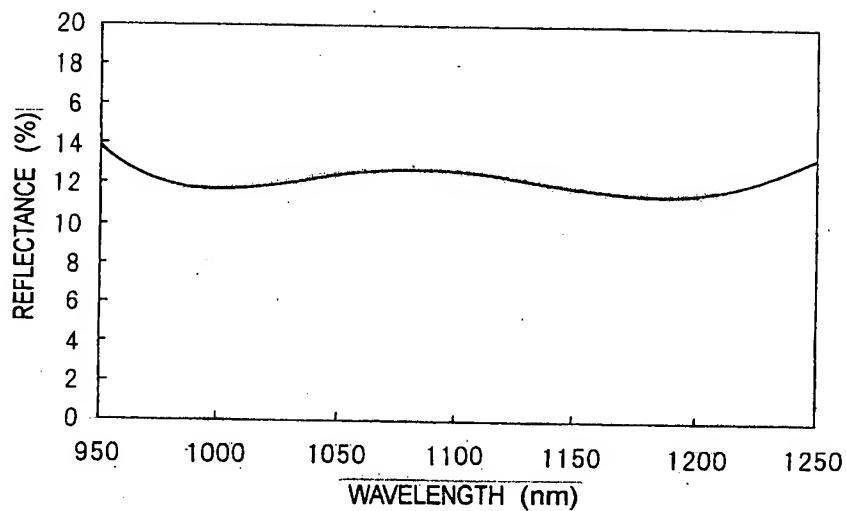


*Fig. 78*

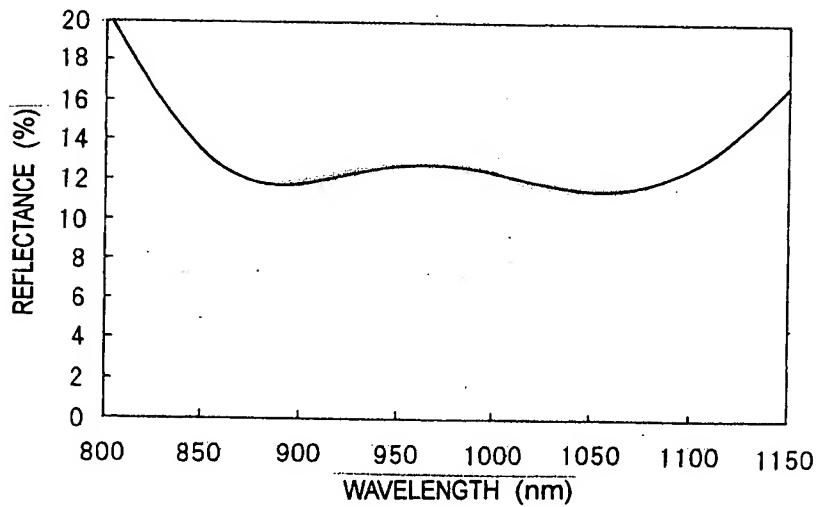


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*Fig. 79*

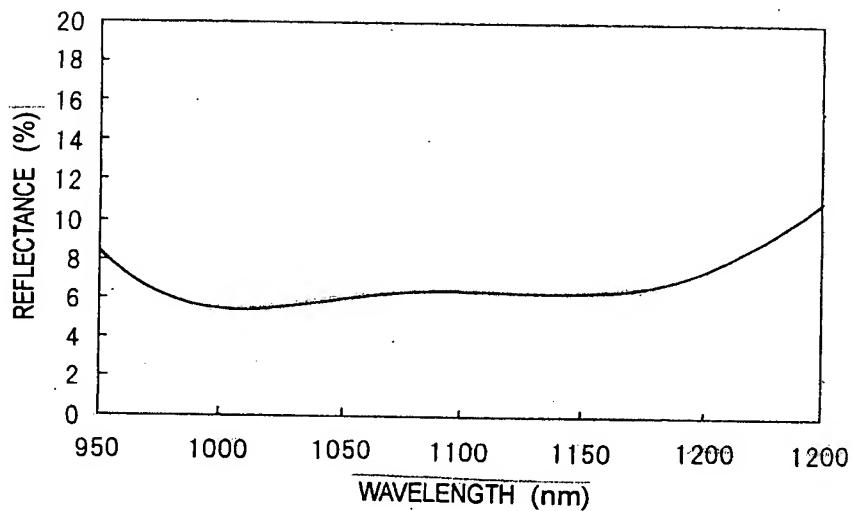


*Fig. 80*

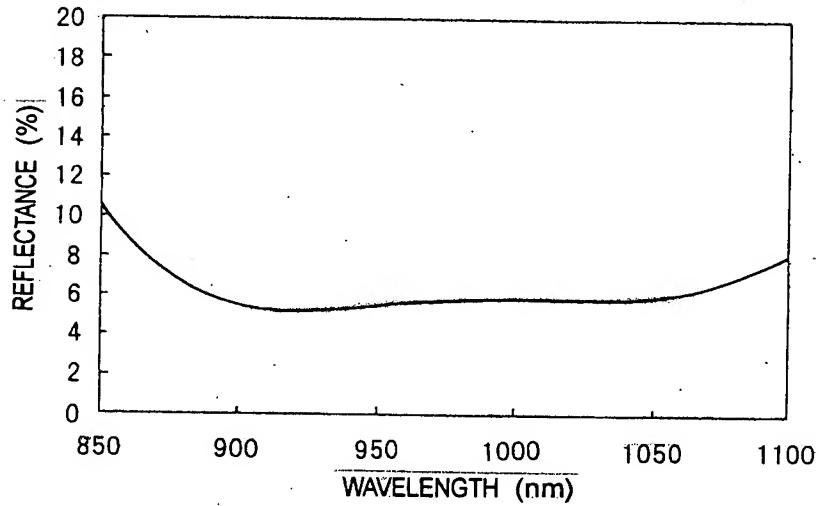


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*Fig. 81*

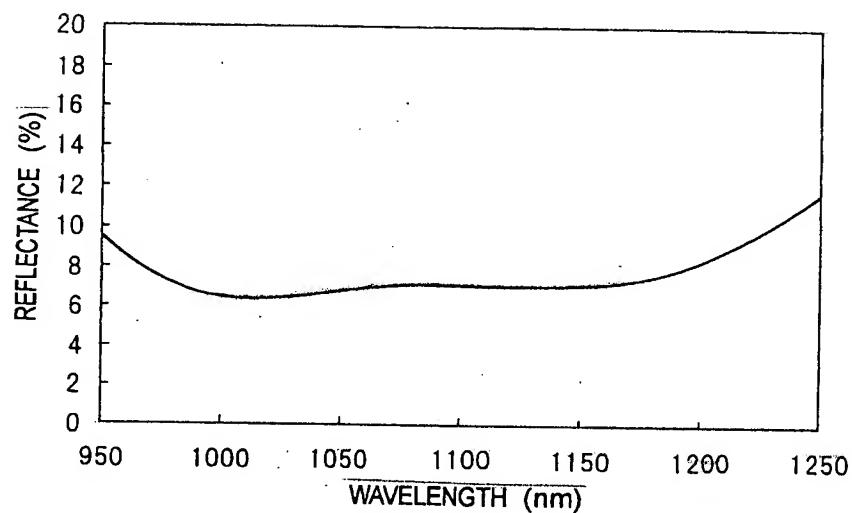


*Fig. 82*

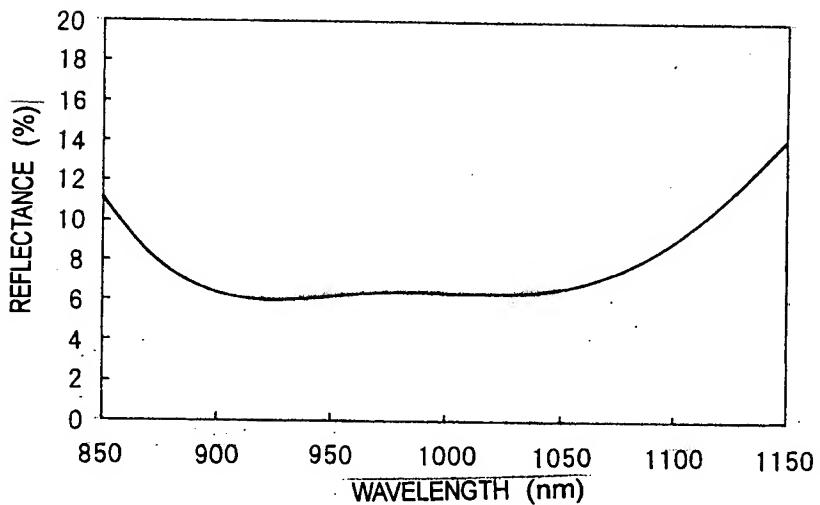


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*Fig. 83*

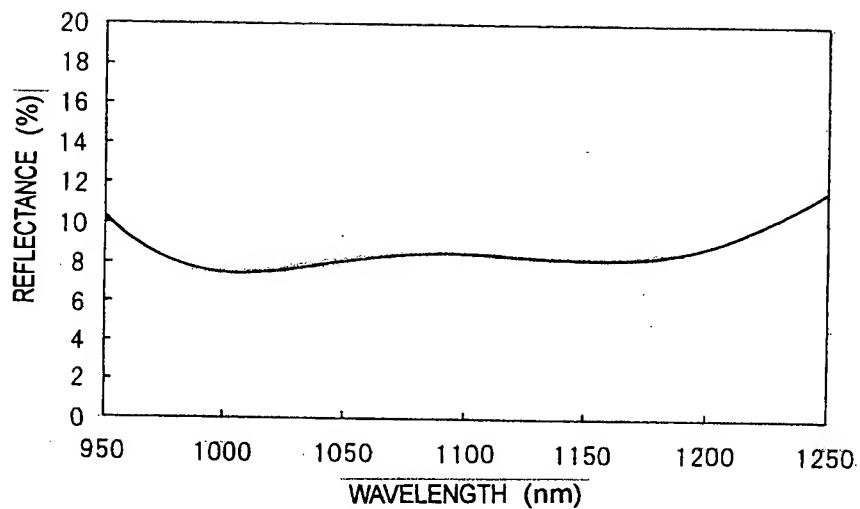


*Fig. 84*

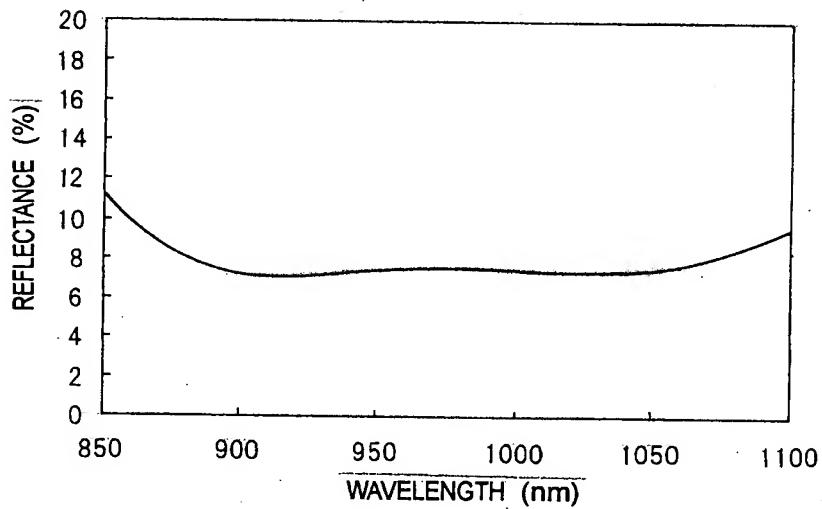


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Atty Docket No.: 402801  
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*Fig. 85*

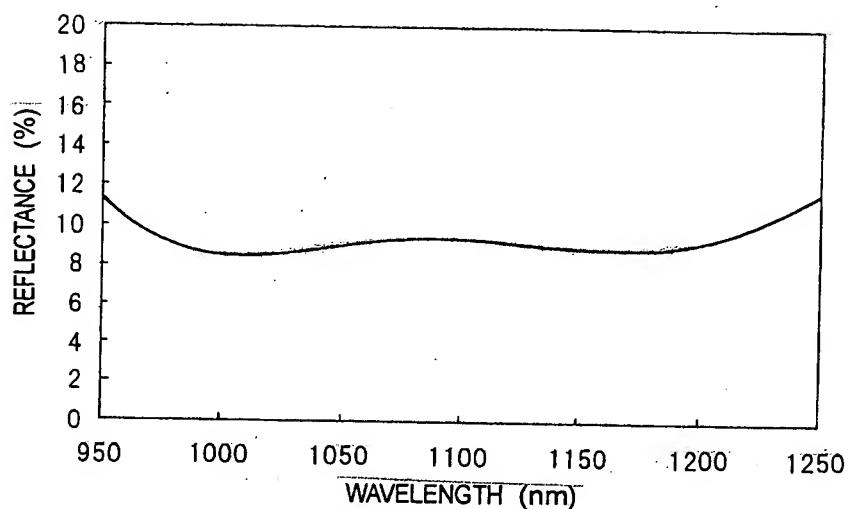


*Fig. 86*

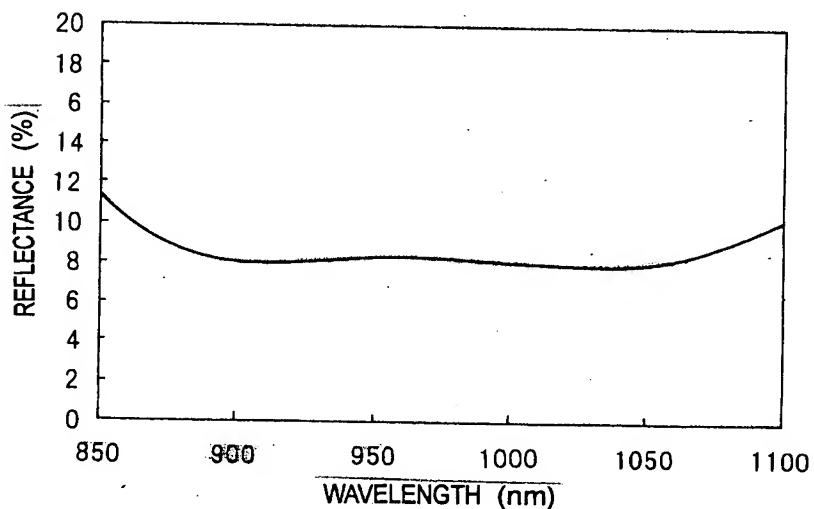


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*Fig. 87*



*Fig. 88*



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Fig. 89

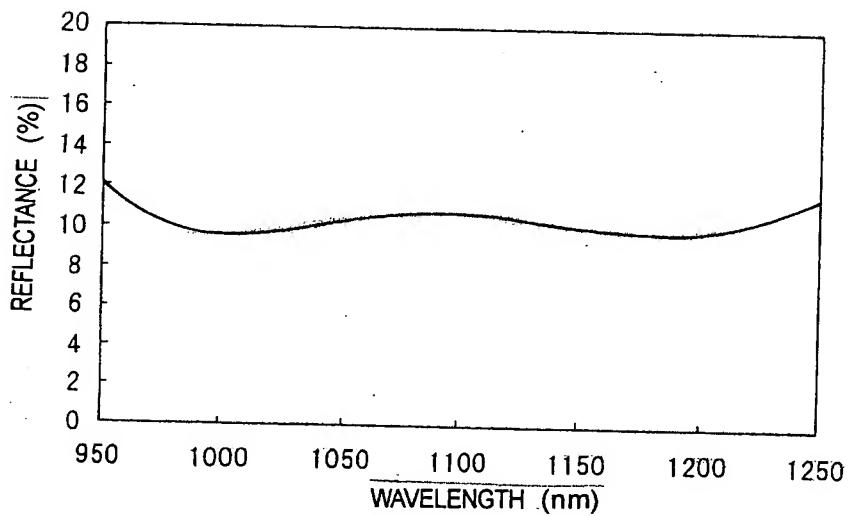
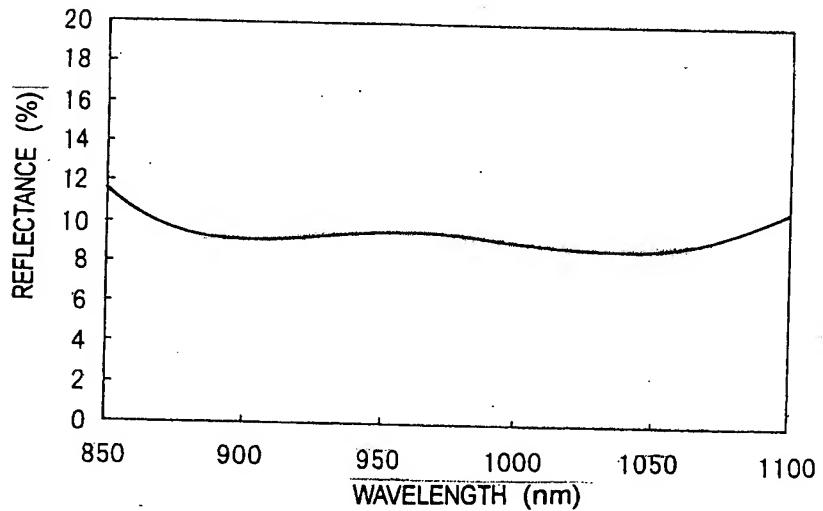
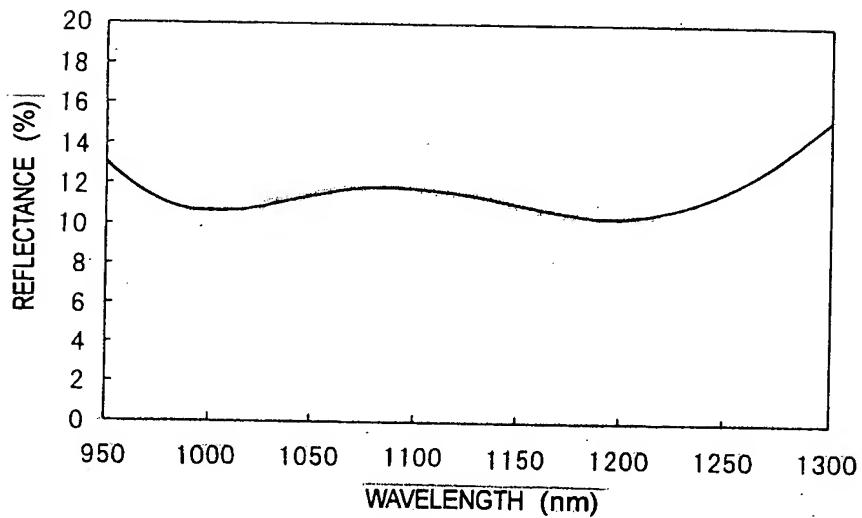


Fig. 90

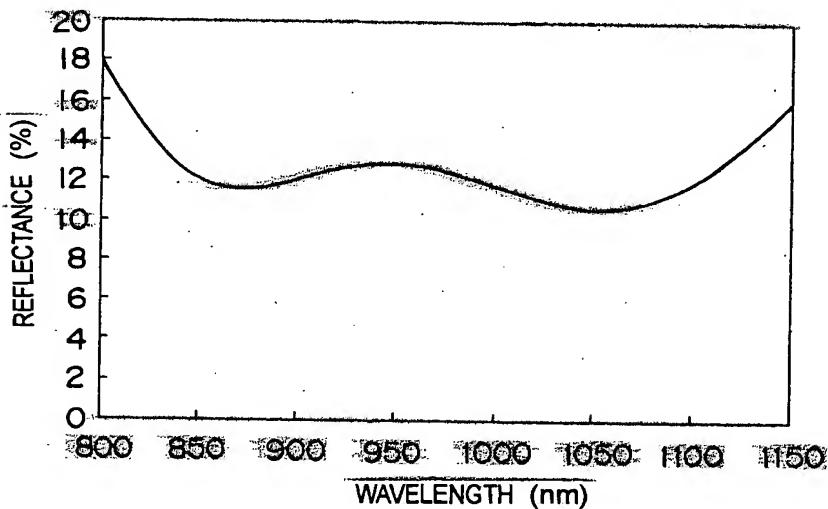


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*Fig.91*

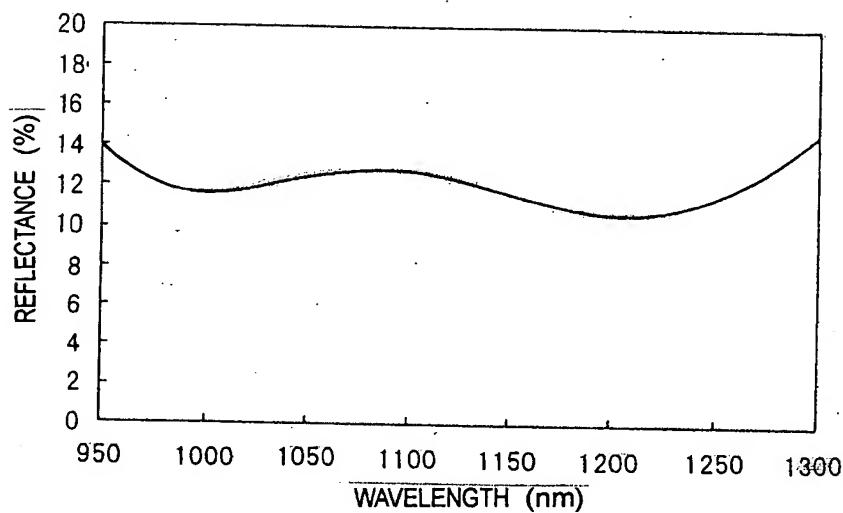


*Fig.92*

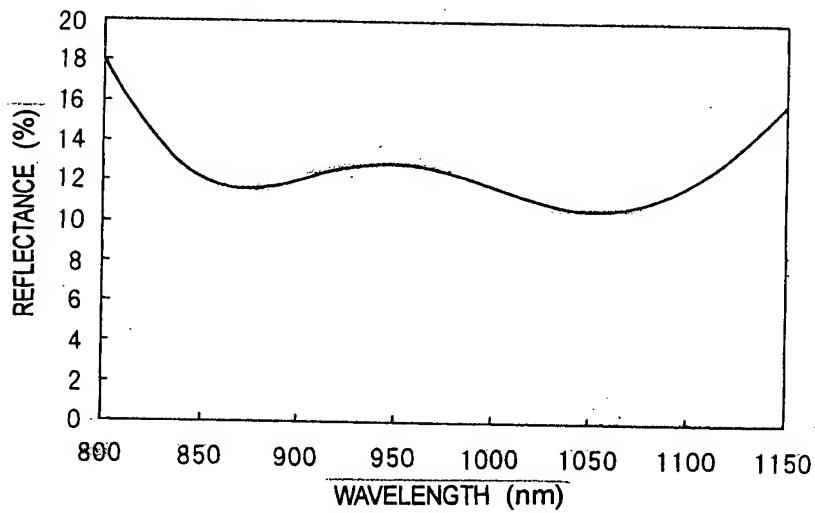


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*Fig. 93*

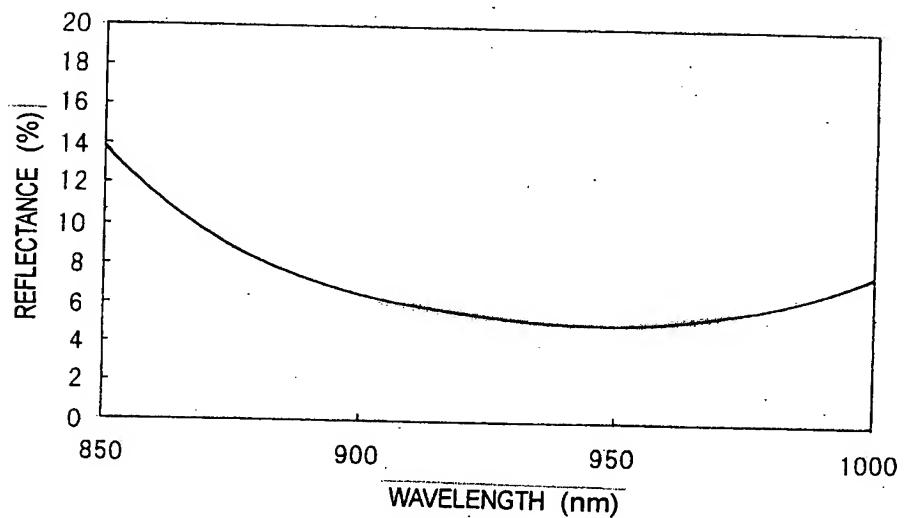


*Fig. 94*

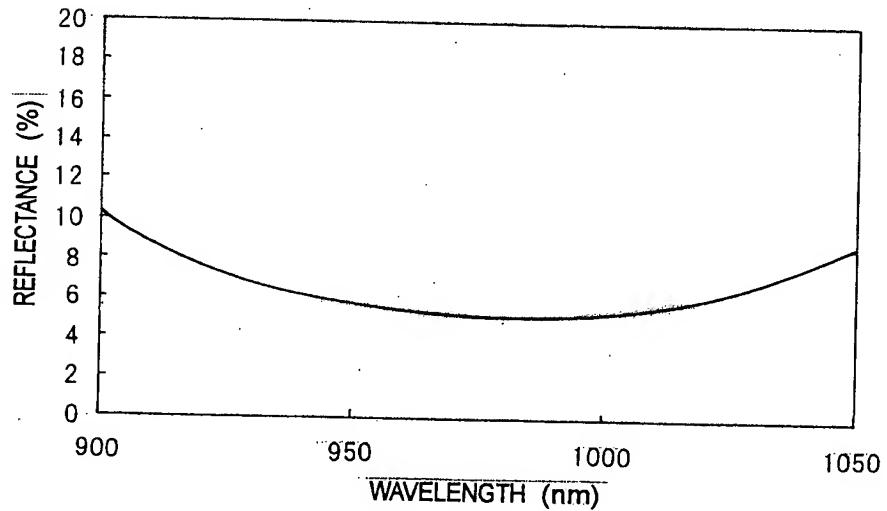


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*Fig. 95*



*Fig. 96*



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Fig.97

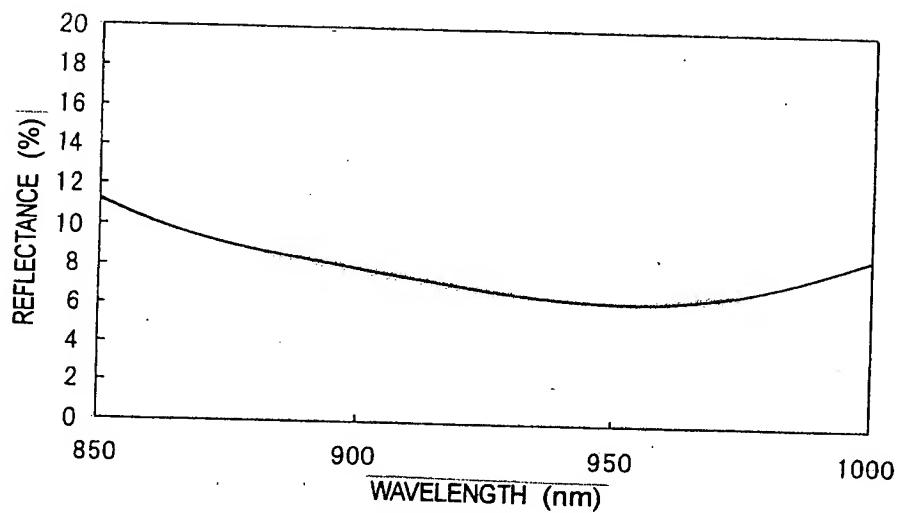
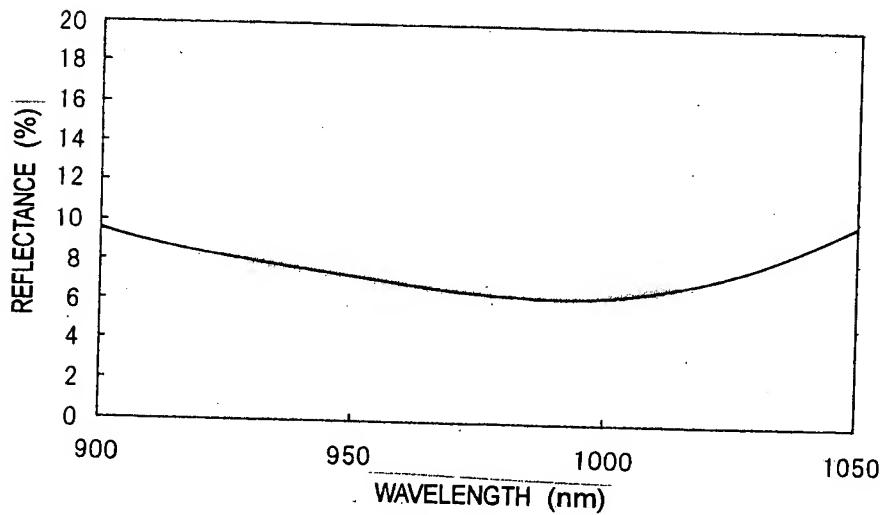
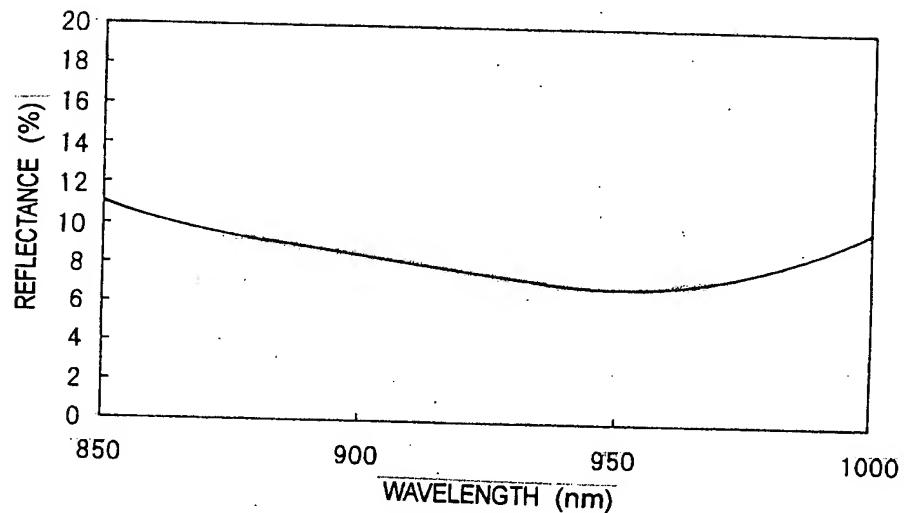


Fig.98

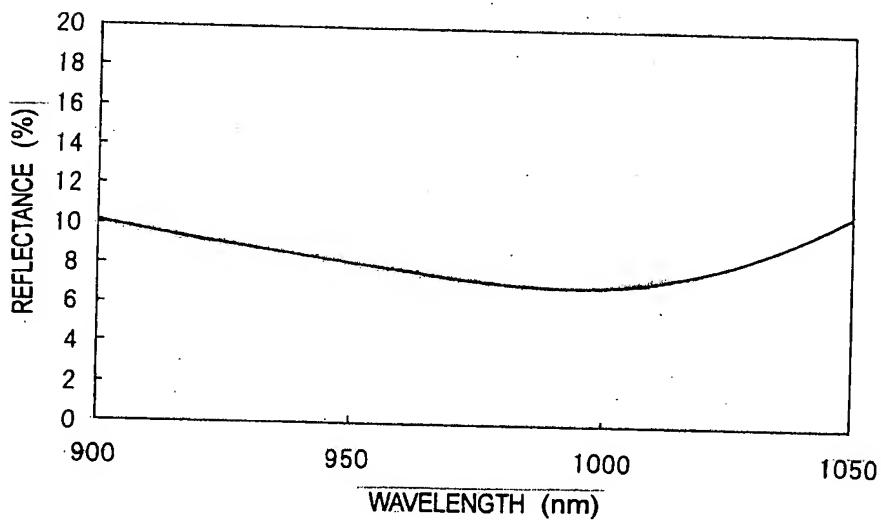


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*Fig. 99*

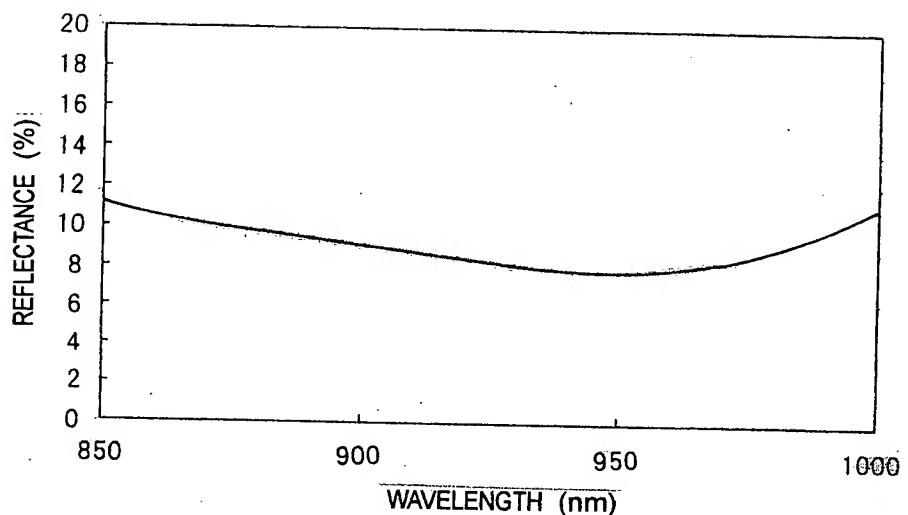


*Fig. 100*

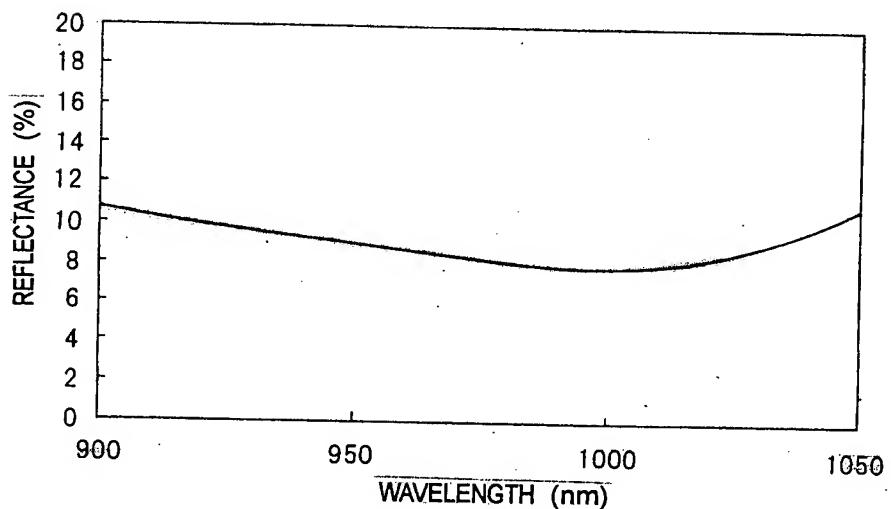


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*Fig. 101*

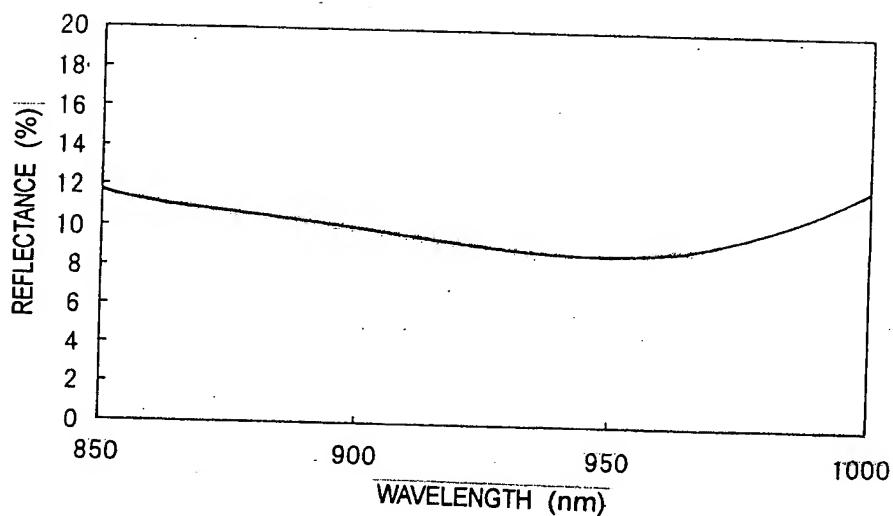


*Fig. 102*

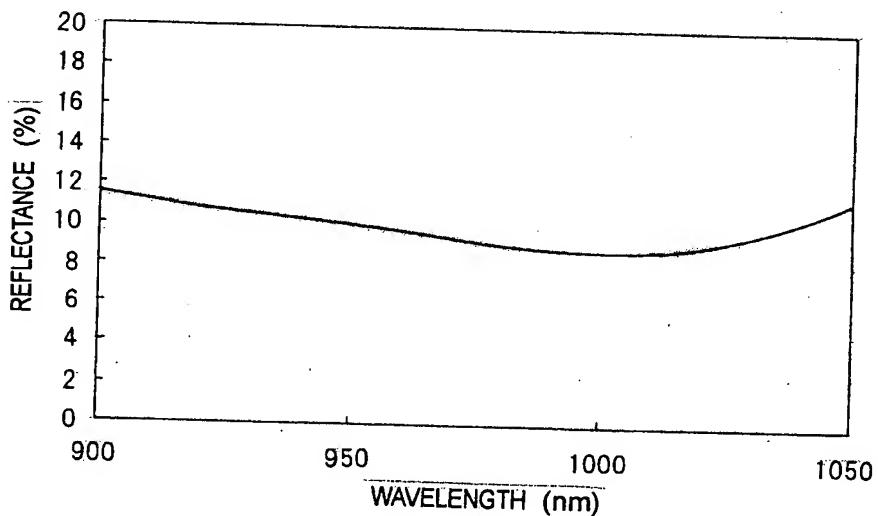


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*Fig. 103*

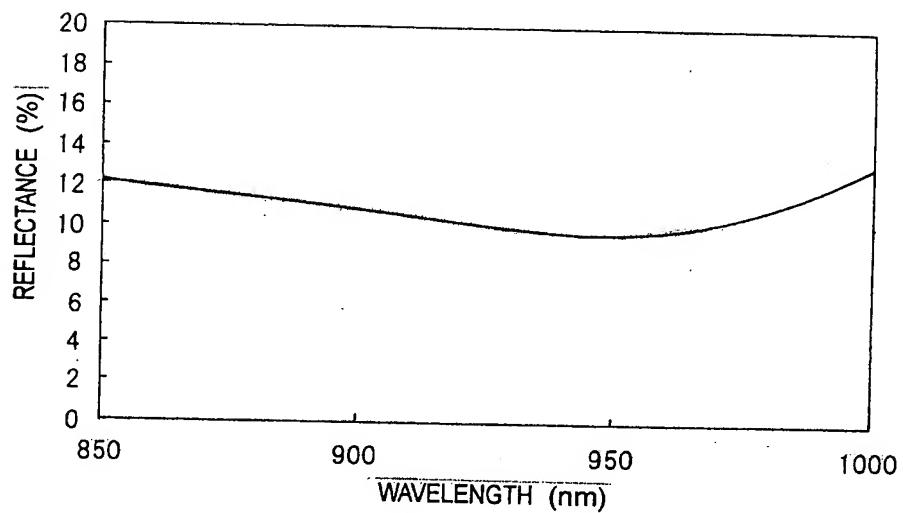


*Fig. 104*

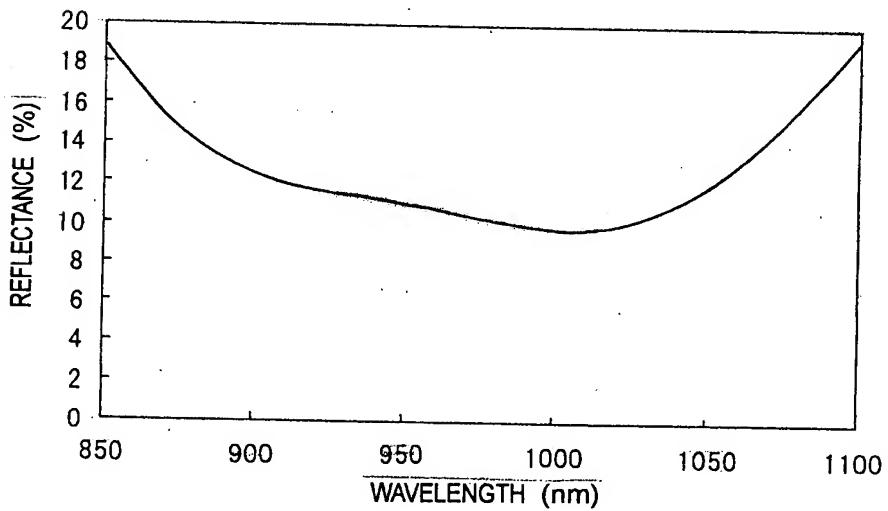


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*Fig. 105*

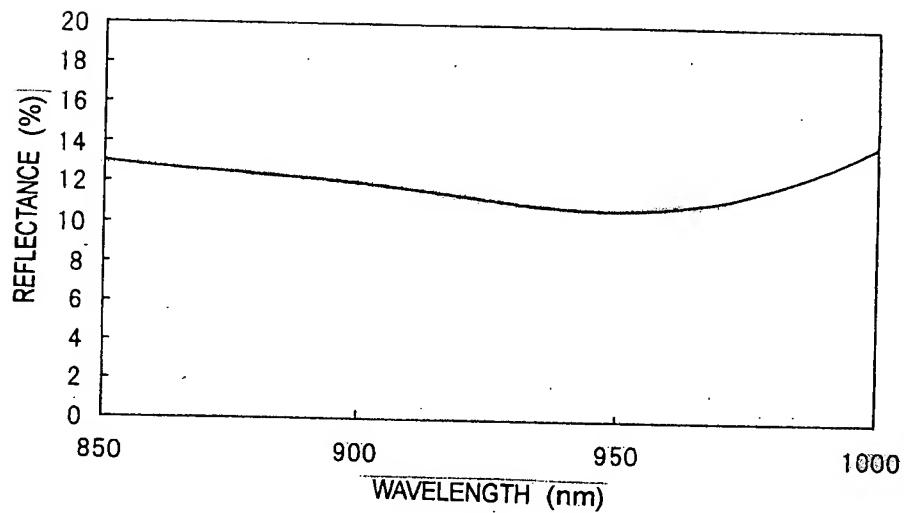


*Fig. 106*

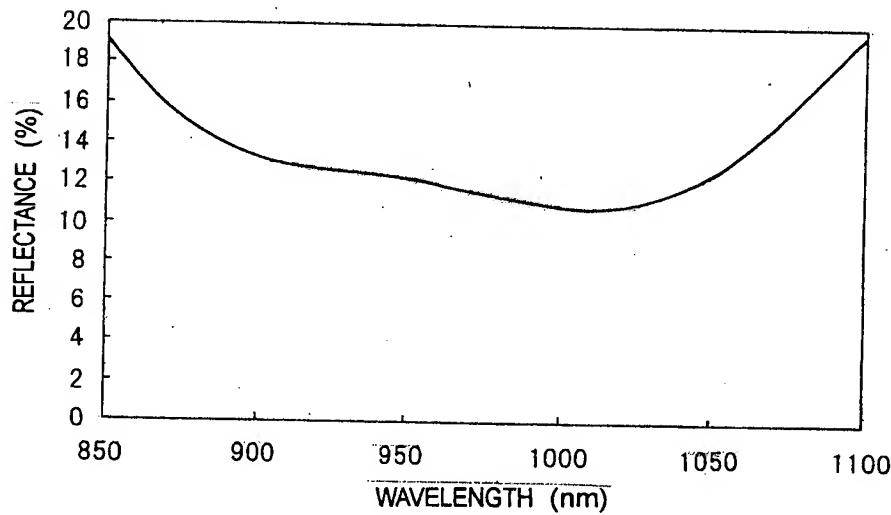


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*Fig. 107*

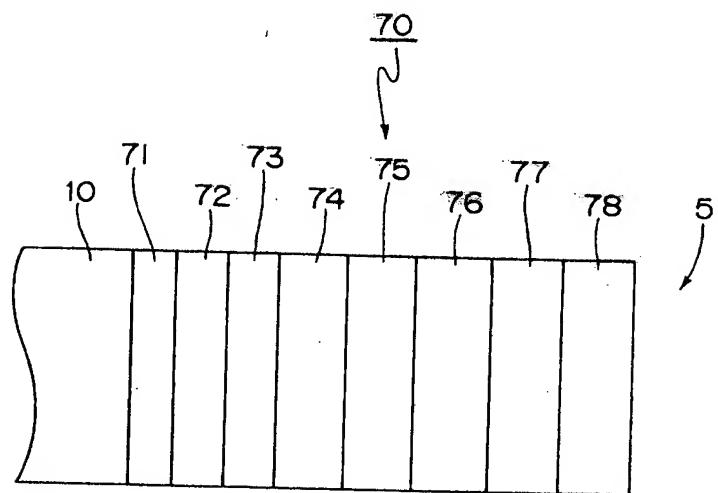


*Fig. 108*



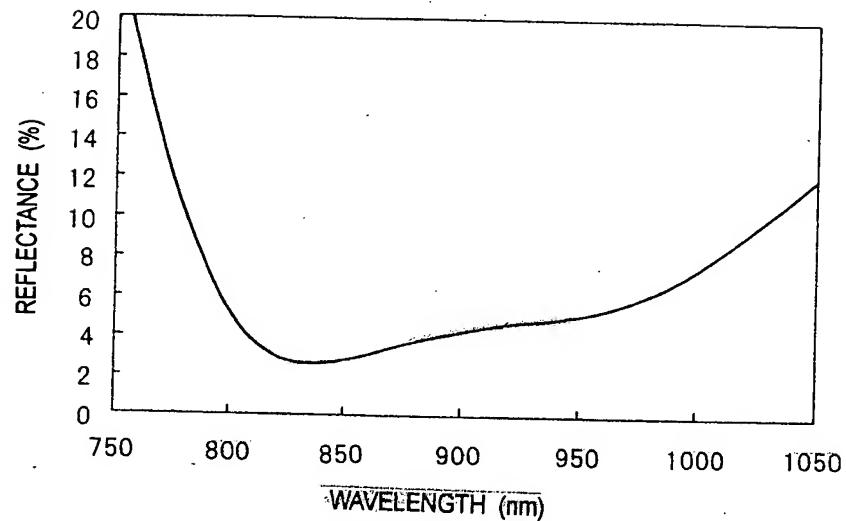
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*Fig. 109*

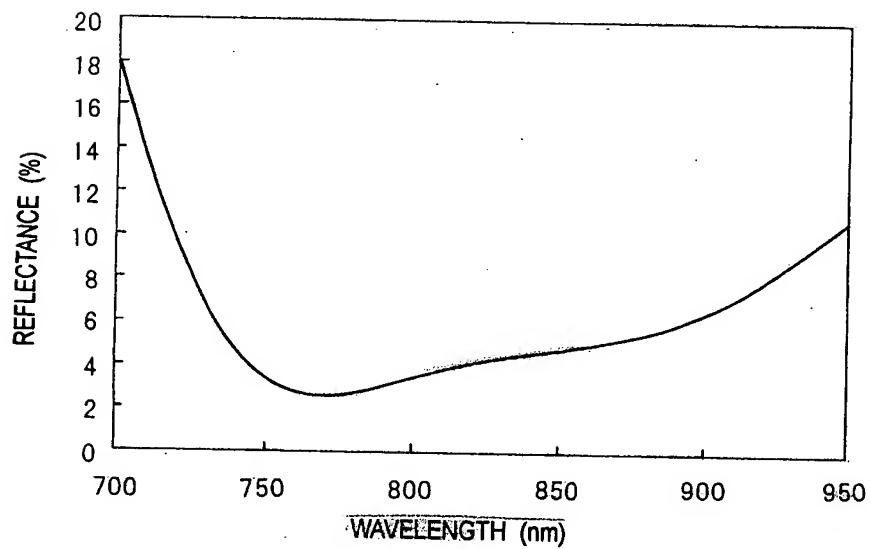


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*Fig. 110*

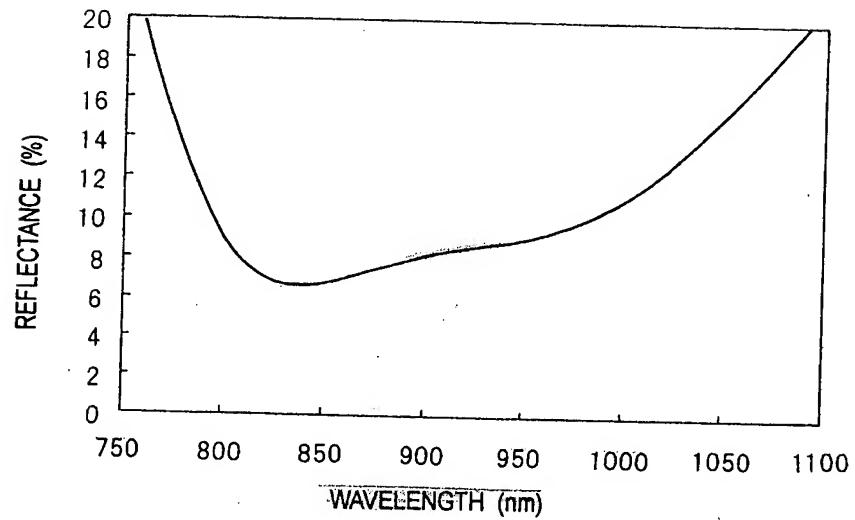


*Fig. 111*

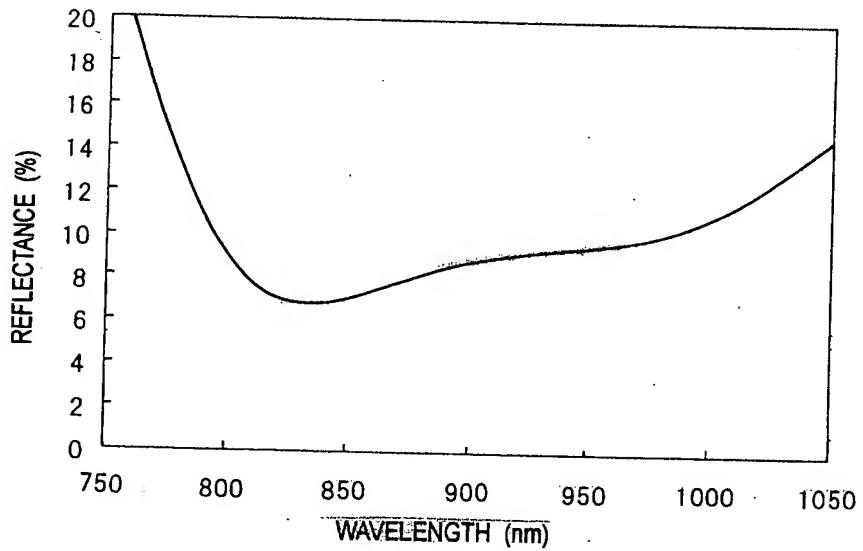


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*Fig. 112*

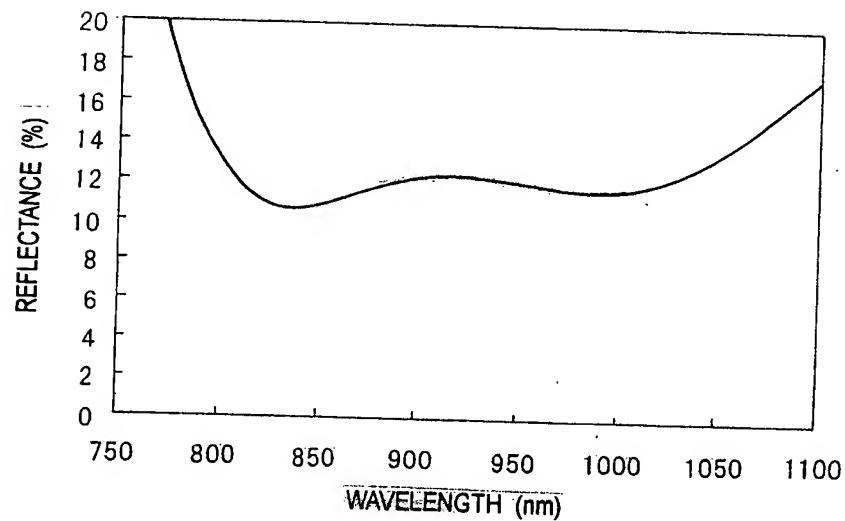


*Fig. 113*

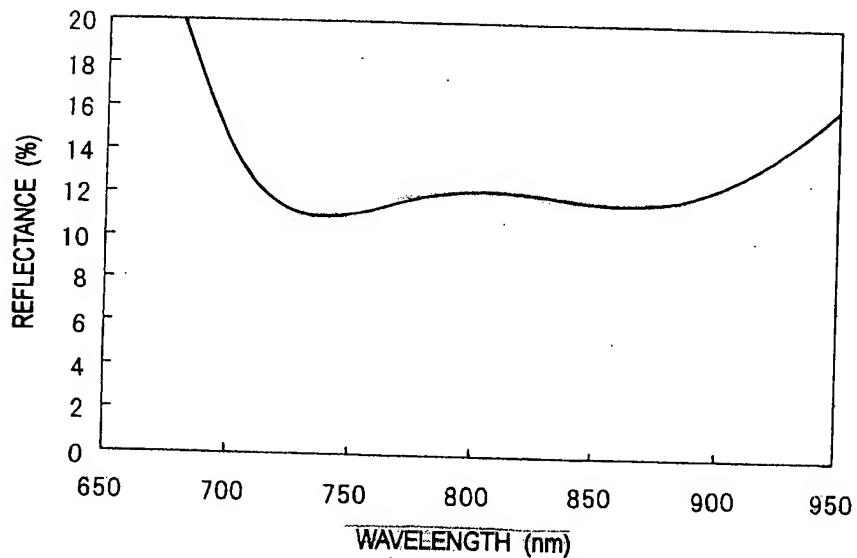


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*Fig. 114*

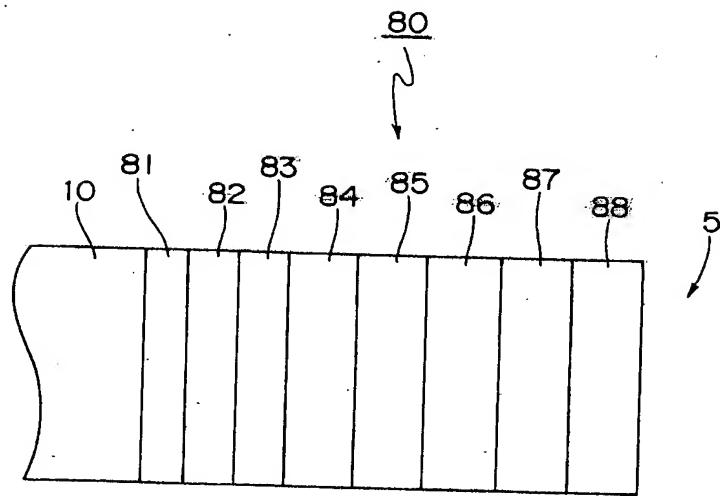


*Fig. 115*



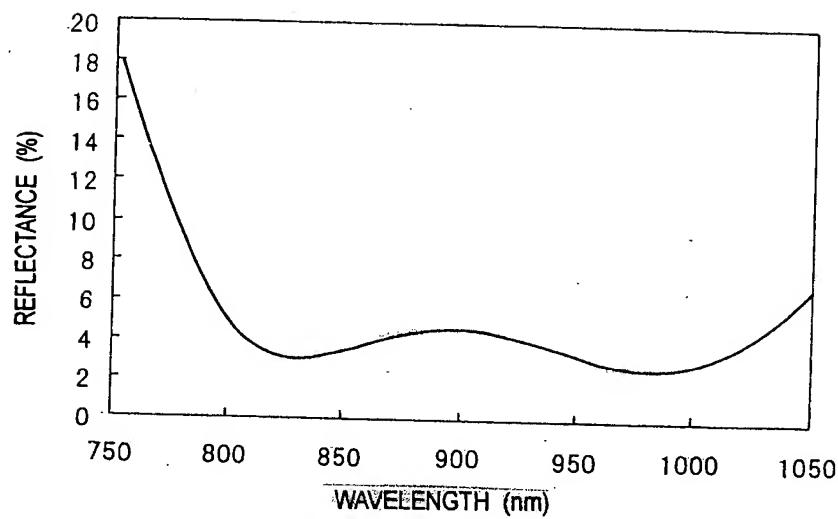
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Atty Docket No.: 402801  
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*Fig. 116*

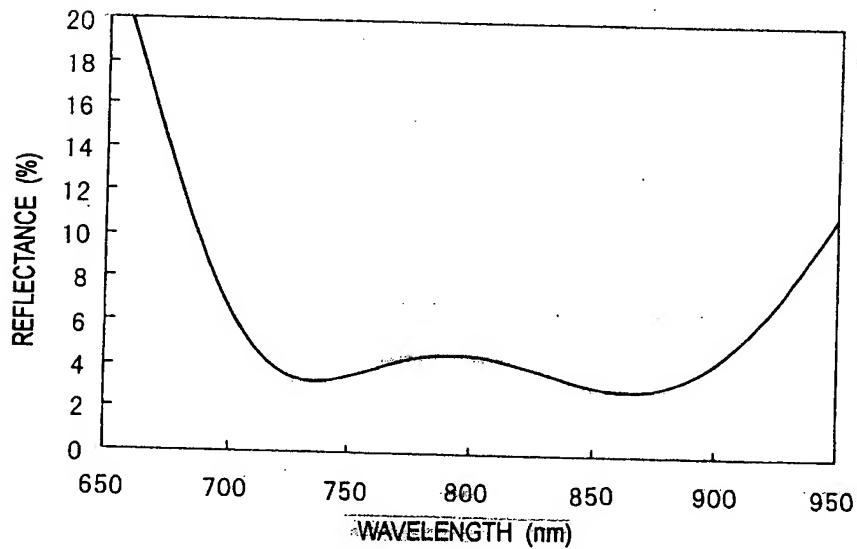


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Atty Docket No.: 402801  
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*Fig. 117*

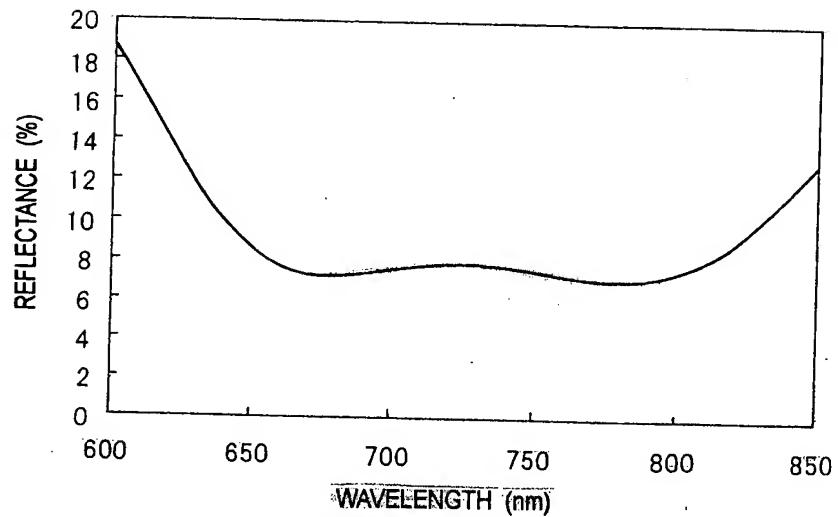


*Fig. 118*

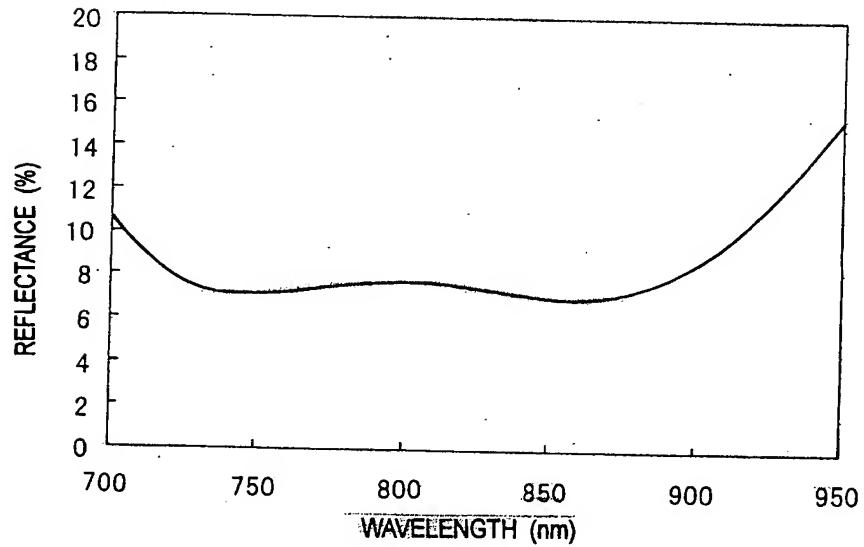


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*Fig. 119*

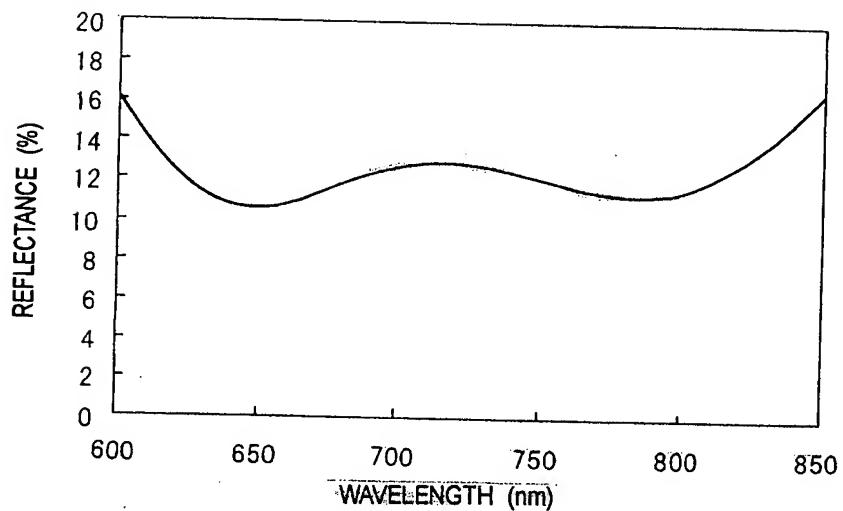


*Fig. 120*



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*Fig. 121*



*Fig. 122*

